The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3248
CXXXVII MAY 9, 1942 Annual Subscription (with Diary) 25/-. Single Copies 9d.

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For over 100 years the name of "MAY & BAKER" has been associated with chemical products of the highest purity, and an equal reputation is now enjoyed by compounds for medical use originating in the same organisation.

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For pneumococcal, meningococcal and gonococcal infections.

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For oral administration in streptococcal infections.

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For parenteral administration in streptococcal infections.

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For epilepsy.

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For epilepsy.

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For rheumatoid arthritis.

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For insomnia.

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For insomnia associated with pain.

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For œdema.

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For trichomonal vaginitis.

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For antisepsis.

Information on other specialities will gladly be sent on request.

★ TRADE MARK

4164 PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LIMITED
DAGENHAM

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For Modern Pharmaceutical Requirements

THORNTON & ROSS LIMITED

Manufacturing Chemists

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"The secret of success is constancy of purpose"
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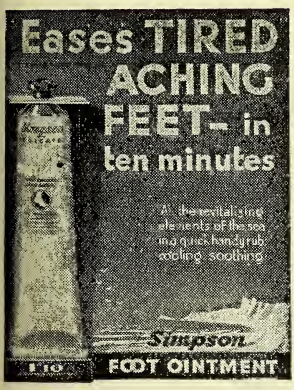
THE 100% FOOT preparation—— and UNLIMITED

Actual full-sized dummy tube labelled and fixed in.



An extremely efficient display piece which has been tested in a chemist's shop. It will sell at least 8 to 12 tubes a day. What else have you that takes up so little space and earns so much ?

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It's here. The product made especially for the feet —not just another ointment to heal cuts, burns and abrasions—but a medicated ointment expressly for the feet. And it does a 100% job. It comes at a time when tens of thousands of the Forces and war workers of every kind all want the immediate relief and certain comfort it brings, not as a toilet luxury, but a vital war-time necessity. The potential trade is enormous.

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Packed in collapsible tubes (nominal 2 oz.), there's one size only, retailing at 1/7½ plus Purchase Tax 2½d. (1/10 in all). To the trade, 14/8 per dozen (excluding Purchase Tax).

13-to-the-dozen on one order only—your initial order (minimum 1 dozen). One free display unit (dummy fixed in) with every initial order of 2 dozen and over. Less your regular 10% display allowance if your order (exclusive of Purchase Tax) totals £3 or over (5% over £1 and under £3). And there's a further 10% for cash with order. All orders £1 and over carriage paid. Delivery immediate if your order is received by return. Send your order off tonight certain.

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Crookes' Halibut Oil

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OWING to a Government restriction on Glycerine and Gelatine, and the enormous demand in the early winter months, our supplies of *capsules* have been very severely reduced. Most of the stock available, therefore, has been divided up into the four standard bonus parcels A, B, C, D, and the all-capsule parcels, E and F, have been discontinued. By this means a large majority of Chemists will continue to benefit by bonus in kind and the scheme will operate as long as supplies last.

It is possible that from time to time we may be able to supply small quantities of *capsules only* but orders for these will not receive bonus in kind and no delivery date can be guaranteed.

There is no shortage of the oil itself, the supply of which is under Government control, and we advise Chemists to draw their customers' attention to this fact. Sooner or later the public will have to accustom itself to taking its vitamin treatment in this form, and the refinement in the form of capsules must be dispensed with in order to release the Glycerine and Gelatine for more essential purposes.

Advertisements in the public press will announce the shortage and will support the chemist who may have stocks of oil but not of capsules.

EXTRA 2½% BONUS

Crookes' War Savings Certificate Extra Bonus Scheme

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(Drops and Capsules)

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24 x 5 c.c. Drops	2	2/-	2 8 0
12 x 25 Capsules	1	2/6	1 10 0
			3 18 0
Less 25%			19 6
			2 18 6
,, 10%			5 10
*Amount of cash with order			*£2 12 8
PARCEL B = 3 DOZEN			
18 x 5 c.c. Drops	2	2/-	1 16 0
18 x 25 Capsules	1	2/6	2 5 0
			4 1 0
Less 25%			1 0 3
			3 0 9
,, 10%			6 1
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PARCEL C = 6 DOZEN			
36 x 5 c.c. Drops	6	2/-	3 12 0
36 x 25 Capsules	6	2/6	4 10 0
			8 2 0
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			6 1 6
,, 10%			12 2
*Amount of cash with order			*£5 9 4
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30 x 5 c.c. Drops	5	2/-	3 0 0
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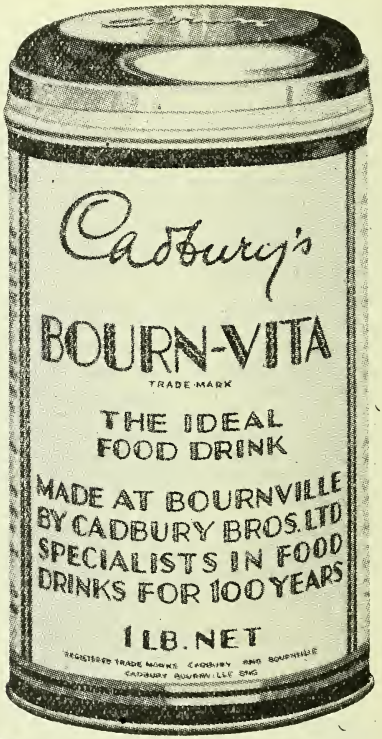

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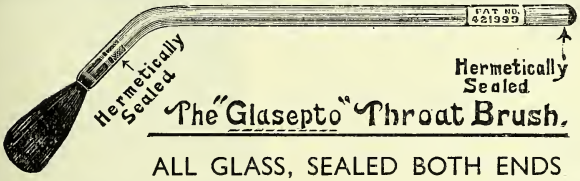

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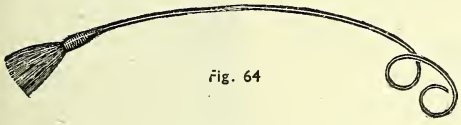

Fig. 64

ON PLATED WIRE HANDLE

Fig. 64 PRICE 5/- doz.

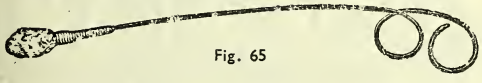

Fig. 65

THROAT SPONGE ON PLATED WIRE HANDLE

Fig. 65 PRICE 5/- doz.

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"	1/2½d	1/5d	7/6d	5/-	12/6d
Jars	1/2½d	1/5d	7/6d	5/-	12/6d
Bottles	1/9½d	2/1d	11/-	7/4d	18/4d
Jars	2/1½d	2/6d	13/-	8/8d	21/8d
Bottles	2/11½d	3/5d	16/6d	11/-	27/6d
HILTONE BLEACH					
(Retail)	4/3d	5/- (singles)	28/-	18/8d	46/8d
(Pack)		(½-doz.)	24/-	18/8d	42/8d
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" "	1/2½d	1/2½d	8/-	2/8d	10/8d
BRYLSHAVE Tubes ...	1/3d	1/3d	8/-	2/8d	10/8d
NICOTA Tubes... ...	1/-	1/-	6/6d	2/2d	8/8d
ANTI-GAS OINTMENT 1-oz. ...	6d	6d	4/-	8d	4/8d
ANTI-GAS OINTMENT 4-oz. ...	1/1½d	1/1½d	9/-	1/6d	10/6d

NOTE:—*All goods invoiced prior to April 15th, 1942, not being affected by the new tax, must be sold at the old retail prices.*

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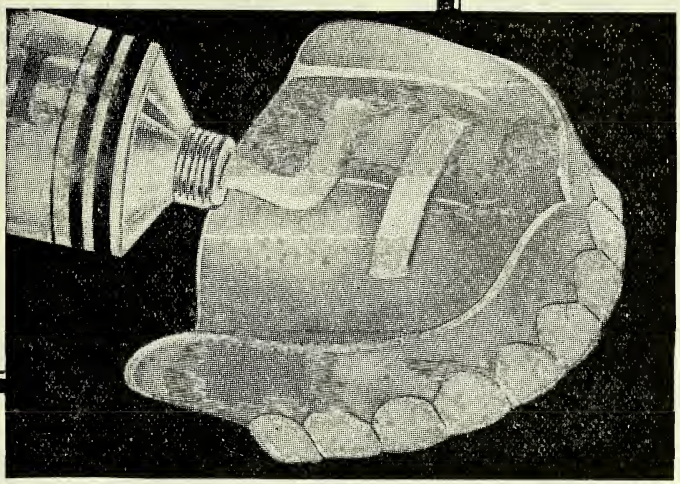

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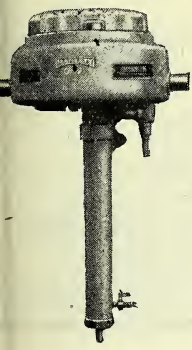

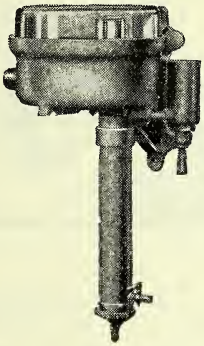

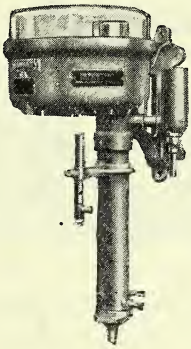

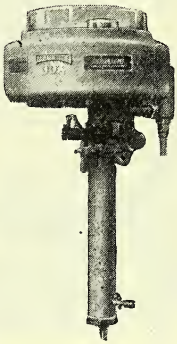

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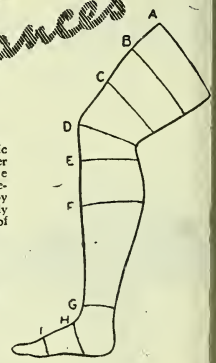

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'Hypoloid' Brand Diodone (35 per cent. sterile solution), in single ampoules of 3 c.c. and 20 c.c. and boxes of five 20 c.c. ampoules.

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'Oxylan' Brand Diphenan ('Tabloid' compressed products each containing gr. 7½), in bottles of 20 and 100.

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'Tabloid' Brand Hexobarbitone (compressed products each containing gr. 4), in bottles of 25, 100 and 500.

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'Hypoloid' Brand Soluble Hexobarbitone (phials containing 0.5 gramme and 1 gramme of the dry salt, accompanied by ampoules containing 5 c.c. and 10 c.c. respectively of sterile distilled water), each in boxes of 5 and 25 pairs.

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'Sudermo' Brand Mesulphen, in bottles of 100 c.c. and 1,000 c.c.

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'Hypoloid' Brand Stibophen (6.3 per cent. sterile solution), in sets of ampoules for children's and adults' courses of treatment, and in multiple-dose containers of 25 c.c., 50 c.c. and 100 c.c.

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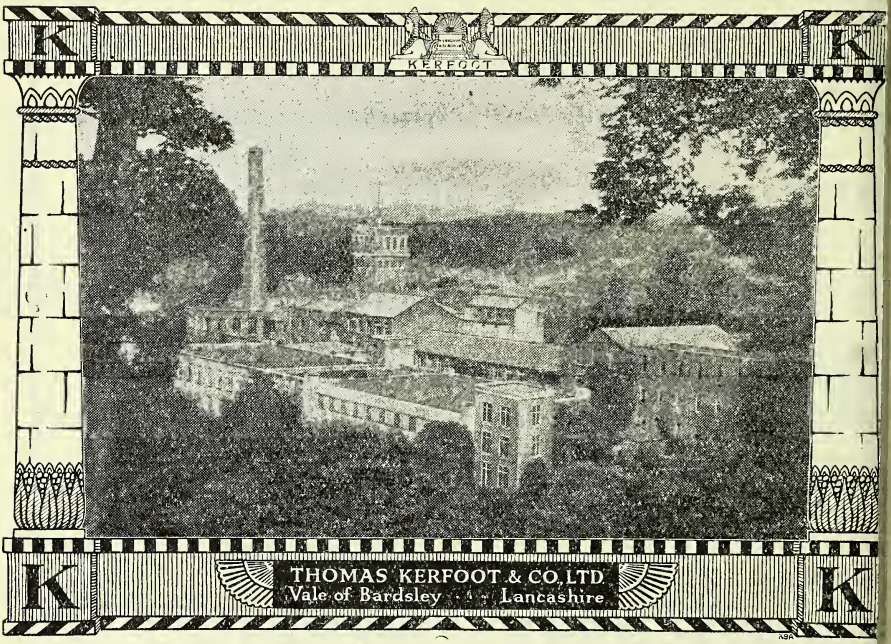

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NEWS OF THE WEEK

Toilet Paper Price Control.—The Board of rade has made an Order, the Toilet equisites (Maximum Prices) Order (S.R. O., No. 752, H.M. Stationery Office, rice 1d.), controlling the manufacturing, holesale and retail prices of toilet aper. The maximun permitted prices of randed toilet paper are set out in a Schedule the Order, and the maximum prices of nbranded toilet paper can be computed by method laid down by the Order.

Industrial Alcohol Licensing.—The Min-ter of Supply has made an Order reducing e minimum quantity of industrial alcohol ther than mineralised methylated spirit) ove which dealings are subject to licens-g. Licences will now be necessary for uantities exceeding in the aggregate one llon in any period of one calendar month. quiries and applications for licences ould be addressed to the Molasses and dustrial Alcohol Control, Great Burgh, psom. Copies of the Order (the Control Molasses and Industrial Alcohol (No. 16) rder, 1942), which came into force on May 1, may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2 (price 1d.).

Control of Exports.—Under the Export of Goods (Control) (No. 21) Order, which comes into force on May 19, export control is extended to cover weighing machines, balances and scales; handbags and purses; razor cases and safety razor boxes; hair clips, hair curlers, hair grips, hair pins and hair slides; pins and safety pins; nail files; potassium antimony tartrate, sodium antimony tartrate. Applications for licences to export razor cases and safety razor boxes, handbags, purses and similar receptacles and nail files will not normally be entertained. The existing licensing requirements with respect to barium carbonate, barium nitrate and barium sulphate, including blanc fixe and chromium compounds and preparations thereof are superseded by the provisions that licences will, in future, be required to export the following:—Barium compounds, chromium compounds and certain preparations thereof

The following classes of goods, the export of which was previously prohibited to certain specified destinations will, in future, require licences (as chromium compounds and/or preparations thereof) to export to all destinations :—Barium chromate and pigments containing barium chromate, pigments containing lead chromate, zinc chromates and pigments containing zinc chromate.

Calf Lymph.—The different method now employed in the purification of calf lymph necessitates a limitation in the period of storage on merchant ships. Calf lymph on board ships should be kept in cold storage at a temperature of approximately 14–20° F., and should be replaced at intervals not exceeding six months.

Revised Prices for Invert Sugar.—The Ministry of Food announces that the maximum wholesale prices of invert sugar will be increased by 9d. per cwt. from April 27. The revised maximum prices are as follows : Invert No. 1, 51s. 6d. per cwt., net weight ; invert No. 2, 50s. 6d. ; invert No. 3 (including black), 49s. 6d.

Control of Starch made from Wheat.—Under Article 2 (*a*) of the Starch and Dextrin (Control) Order, 1941 (S.R. & O., 1941, No. 1991), the use of sago flour, tapioca flour or tapioca dextrin is prohibited except under licence. The Minister of Food has now made an Order adding wheat and wheat products to the list of prohibited commodities. The amending Order came into force on May 1.

Prices of Tar Products.—The Ministry of Supply announces that the following maximum prices have been fixed until further notice for Archangel tar, American retort pine tar and American pine pitch : *Archangel Tar :* 10 gallons and over, 5s. 6d. net per imperial gallon ; 5 gallons and over, but under 10 gallons, 5s. 9d. net per imperial gallon. *American Retort Pine Tar :* 10 gallons and over, 5s. net per imperial gallon ; 5 gallons and over, but under 10 gallons, 5s. 3d. net per imperial gallon. *American Pine Pitch :* 28-lb. containers and over, 46s. net per cwt. ; 7 lb. and over, but under 28 lb., 48s. net per cwt. All the above prices are duty paid ex seller's store in containers supplied by seller, and apply to sales in Great Britain and Northern Ireland.—The Coal Tar Acids Prices (Inland) Order, 1942 (S.R. & O., 1942, No. 731), which came into force on May 1, fixes maximum home-market prices for tar acids.—The Naphthalene Prices (Inland) Order, 1942 (S.R. & O., 1942, No. 736), which also came into operation on May 1 fixes maximum prices for various grades of naphthalene.

Sweets and Chocolates to be Rationed.—The Minister of Food has amended the Suga Confectionery and Chocolate and Chocolat Confectionery (Maximum Prices) Orders s as to provide that no charge may be mad for wrappers or containers. The origina Orders were intended to prevent additiona charges being made for box, basket, o other containers, and the new Order remove any doubt about its meaning. From Jul 27 sweets and chocolates are to be ratione on the points system.

N.P.U. Secretary at Wolverhampton.—meeting of the Wolverhampton Branch c National Pharmaceutical Union held a Wolverhampton on April 22 was addresse by Mr. G. A. Mallinson (secretary, Nation Pharmaceutical Union). The chairman c the branch (Mr. R. J. T. Hagyard) opene the meeting. Mr. Mallinson spoke o "Chemists' Friends Matters and Pharm ceutical Problems," dealing with shorta of materials, limitation of supplies, th Location of Retail Businesses Order, th Pharmacy and Medicines Act, and final the C.F. movement. Mr. Mallinson the answered questions put by Messrs. Colema Turner, Parkes, Dent, Lloyd, Whic Blenkinsop and others. Mr. Rimmer pr posed and Mr. Dent, Stafford, seconded vote of thanks.

Appointments Offices Opened.—New a pointments offices have now been open in London and at thirty provincial centr in accordance with an undertaking giv in the House of Commons on December by Mr. Ernest Bevin (Minister of Labo and National Service). The Central (Tec nical and Scientific) Branch of the Appoin ments Department will be responsible f dealing with, among others, engineers a scientists. Action by the Appointme Department in respect of these profesio will be taken from the Office of the Cent (Technical and Scientific) Register London, and not by the Appointme Offices in the Provinces. Persons w administrative, managerial, professional technical qualifications other than th appropriate to the Central (Technical a Scientific) Register, together with pers who, while not possessing specific qualifi tions, have a normal salary in excess £420 a year, will be dealt with at t Appointments Offices, whose task it will to assist in making the best use in t national interest of all such persons.

Leicester Branch Officers.—At the annual neeting of the Leicester and Leicestershire 3ranch of the Pharmaceutical Society held n April 29, the following officers were lected :—*Chairman*, Mr. G. B. Eagle ; *'ice-chairman*, Mr. A. W. Buswell ; *Secretary nd Treasurer*, Mr. F. Purse, Royal Infirmry, Leicester.

Ulster Chemists' Association.—The Association has appointed Mr. James IcClenahan, M.P.S.N,I., to be whole-time ecretary. At the same time permanent ffices have been taken at 4 Waring Street, 3elfast. They include a large committee oom and a secretary's office. Since the utbreak of war the work of the Association as developed enormously, particularly on ccount of sugar rationing, the substitution f ground nut oil for olive oil, etc.

Irish Chemists' Golf.—The Irish Chemists' olfing Society held its first outing of the 942 season at the Hermitage Golf Club, ucan, co. Dublin, on April 19, when there as a fine turn-out of competitors for an ray of trophies presented by St. Dalmas reland), Ltd., Allen & Hanburys, Ltd., oty, Ltd., and of cups presented by the ish Glass Bottle Co., Ltd., and Horlicks, td. The result of the strokes competition ayed in the morning was : 1, Con Foley 7), 70 (won on second nine) ; 2, D. Gillan 8), 70. In the afternoon the bogey competion was played off ; the winners were : Brendan R. Smith, 2 up (won on second nine) ; 2, J. Mason, 2 up. The Irish Glass Bottle Co.'s cup went to Mr. J. J. Roche for the best first nine holes, and the Horlick cup was won by Mr. V. O'Hara. The captain (Mr. Frank Roche) presided at a meeting held subsequently at the clubhouse. The Society was honoured, said Mr. Roche, by the presence of the president of the Golfing Union of Ireland, Mr. T. P. Toher, M.P.S.I., who had driven specially from Sligo that day in order to be with them. As a foundation member of the Chemists' Golfing Society Mr. Toher had done much to bring it to its present flourishing condition, and on behalf of the members the speaker extended congratulations on the high golfing honour conferred on Mr. Toher, wishing him a most successful year of office. Mr. R. Bates supported. The prizes were then presented to the winners by Mr. A. W. Hughes (managing director, St. Dalmas (Ireland), Ltd.).

Eire Examination Results.—The following candidates were successful in the April Licence examination held recently by the Pharmaceutical Society of Ireland : With honours :—Edmund Hayes and Mary Elizabeth Hayes. Pass :—Joan L. Burke, Mary Comerford, Mary Daly, Michael Daly, Michael J. Dore, Paul J. Duggan, William J. Gill, Michael J. O'S. Kelleher, James M. McHale, Thomas A. Matthews, Christopher S. O'Connor, Humphrey V. O'Sullivan, Dermot T. Toomey, Frederick S. Watson.

Group photographed at the first meeting of the Irish Chemists' Golfing Society at the Hermitage, Lucan, on April 19. Seated in the centre holding a cup is the captain (Mr. Frank Roche).

TOPICAL REFLECTIONS

New Wholesale Accounts

Reference was made in this section three weeks ago, apropos of supplies to bazaar stores registered with the Pharmaceutical Society, to the undesirability of the opening of new accounts by manufacturers during the war. Support for this view from another standpoint is to be found in the annual report of the Proprietary Articles Trade Association (p. 484). After the first Limitation of Supplies Order was issued a large number of new wholesale distributors entered the range of trades with which the P.A.T.A. is concerned, with consequent disturbance in the movement of supplies to established wholesalers and retailers. Unhappily this trouble is not merely past history: only the other day an order sent to a pharmacy with which I am acquainted included two P.A.T.A. items, and neither of them was then obtainable. It is, in fact, now usual for some customers to order such goods in advance in the hope that they will one day turn up. To what extent these delays are due to the irruption of "snatch" traders I have no means of knowing; but the factor, whatever its relative importance, should be eliminated promptly. Even without considering higher motives, common sense suggests declining new and unrecommended custom at a time when the output is already insufficient to meet the demand for it. I read with satisfaction that the P.A.T.A. Council and the manufacturing section of the Association are in accord in this matter.

Economies in Prescribing

The memorandum on economies in prescribing circulated to Scottish medical practitioners is equally relevant for practitioners in other parts of the United Kingdom. (The average reader's first comment may be that Scottish doctors are in no need of exhortations to economy; but let that pass.) The fact is that medical men are not in so favourable a position as pharmacists to know what medicaments are affected by war-time demands, and that they need a reminder of this nature—in some cases, more than one. Without attempting to comment in systematic detail on this useful document, I may briefly mention three of the substances named in it. Liquid paraffin, as one of your Medical Abstracts recently showed, is under suspicion of being a laxative with undesirable effects which may become serious: its routine prescribing may therefore b suspended till more is known about it action in the intestinal tract. During th past winter I have watched the use o vitaminised oil as a substitute for cod live oil in a case in which the taking of the latte has hitherto been a cold-weather precau tion: the result has appeared to be qui satisfactory. We read in the memorandu that soap liniment should not be prescribe but no suggestion is made as to an altern tive to this convenient application. Turpe tine liniment, which readily comes to min is open to objection on the ground that o of turpentine is an imported article. I genuity seems to be called for here.

Meagre Reports

Writing before the event, I am wonderi whether the forthcoming report of th month's Council meeting of the Pharm ceutical Society will be less meagre than h been usual of late. For comparison I ha gone back to the years 1922 and 193 taking the first six months in each case. 1922 you allotted a total of 205 inches your six reports: allowing for the differen in size between your former columns a your present ones, this total is equivale to an average of three and a half C. & pages, new style, for each meeting. In 19 the corresponding average for the half-ye was just over a column more. It was 1922 that the Council started the system holding a meeting in private on the eve the Wednesday meeting to which the Pr is invited. There seems to be no objecti to this system so far as it enables subje that may be confidential in their ea stages to be discussed without the rese normally imposed by the thought publicity; but I think it tends to be was ful of time, and I suggest a stricter curt ment of the matters to be kept from pub knowledge in this way. Not only are pres reports of these Council meetings short, they are also so matter-of-fact as to sugg that the meetings take place in an atm sphere of what has been called inspissa gloom. Your reporter can, of course, o pass on to the world, with your conse what is actually said. Something must allowed for the exigencies of war in forcing brevity; but surely our council could sometimes contrive to impart a li more variety to subjects of public inter and not necessarily by disagreeing w each other.

Xrayser

COMPANY NEWS

ESSFLAROM, LTD. (P.C.).—Capital, £1,000. nufacturers of and dealers in perfumes, ams, soaps, medicines, etc. R.O. Port- d House, 73 Basinghall Street, London, C.2.

BARKER, PARRY, LTD. (P.C.).—Capital, jects and R.O. as Barker Gibson, Ltd. low). Ernest Skues, M.P.S., and Harold Higinbotham, M.P.S., directors.

BARKER, GIBSON, LTD. (P.C.).—Capital 500. Chemists, druggists, herbalists, otographic dealers, etc. Ernest Skues, P.S., and Alexander G. Gibson, M.P.S., ectors. R.O.: 219 Upper Tooting Road, ndon, S.W.17.

WOLVERHAMPTON CHEMICAL CO., LTD. C.).—Capital £10,000. Manufacturing emists and drysalters. Solicitors: Rhys berts & Co., 5 New Court, Lincoln's Inn, ndon, W.C.2.

MARGRAVINE INDUSTRIES, LTD. (P.C.).— pital £100. Manufacturers of and dealers cleaning materials, soaps, toilet requi- es, etc. R.O.: 39–41 Margravine Road, ndon, W.6.

BEAUMONT MANUFACTURING CHEMISTS, D. (P.C.).—Capital £1,000. Wholesale, ail and manufacturing chemists, etc. rold Forsythe and John Gow, directors. O.: 53 Berkeley Street, Glasgow.

SOUTHWELL'S CHEMISTS, LTD. (P.C.).— pital £200. Chemists, druggists, photo- phers, etc. Wilfred L. and Mrs. Edith Southwell, directors. R.O.: 58 Win- nley Road, London, S.W.11.

SPENCER, SON & PARTNERS, LTD. (P.C.).— pital £500. Manufacturers of and whole- e and retail dealers in chemicals, ential oils, drugs, etc. Solicitor: Jonas ons, 26 Martin Lane, London, E.C.4.

PHONETIC WAXES, LTD. (P.C.).—Capital 00. Manufacturing, research, dispensing l analytical chemists, etc. William H. hite and Gerald B. Cuming, directors. O.: Conway Avenue, Conway Street, ttingham.

Private Arrangement.—W. J. PIERCE, P.S., High Street, Stockbridge, Hants. e Association of Manufacturing Chemists, ndon, E.C.1, issued a circular to creditors April 29, stating that they had been sulted by the debtor regarding his affairs. tatement of affairs which has been pre- ed shows liabilities of £1,069, made up follows:—Trade creditors, £457; cash claim, £590; and bankers, £21. After allowing £24 10s. for preferential claims the net assets are £320, the principal assets being stock-in-trade, £150; and household furniture, £100. Debtor qualified as a chemist in 1936 and was in employment until May 1940. He then entered into an arrangement to purchase the business at the above address for £1,050. During the year to May 1941 the turnover was £2,479, whilst since that date it has amounted to £1,732. The premises are held on a lease with seven years to run. For some time past debtor has had difficulty in meeting the claims of his creditors and to protect the assets he executed a deed of assignment to Mr. Parkin S. Booth (of the Association). Being desirous of retaining the business, and to augment his income, debtor intends to obtain employment and leave the business to the management of his wife. In these circumstances the business will be continued under the supervision of Mr. Booth and all future transactions will be on a cash basis only.

INTENDED DIVIDEND.—William Patrick Arnott, chemist, 27 Castle Lane, Bournemouth, formerly of Penrhos, Valette Road, Bournemouth, carrying on business at 66 High Street, Poole, Dorset. Trustee: Mr. Parkin S. Booth, Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, London, E.C.1.

INSURANCE ACT DISPENSING

Drug Tariff.—A list of revised prices for the month of April has been issued. It includes forty-two drugs and galenicals and two dressings, prices of which have changed during the month.

Southport.—"We look upon the calling up of chemists and doctors as a serious matter; we cannot do without them in this area, crowded as we now are," said the chairman of the local Insurance Committee at its April meeting. At the same meeting it was decided to continue with 6.30 p.m. closing during the summer months.

Ayrshire.—The number of insured persons on the Committee's register during 1941 was approximately 91,000. £3,427, excluding purchase tax, was paid to chemists for drugs and appliances supplied by them during the period from August 1 to December 31, 1941, in respect of 48,945 prescriptions (6,143 more than in the similar period of the previous year).

LEGAL REPORTS

Eire Trade Mark Case.—In the Eire Patents Court recently, the Controller adjourned the hearing of an application for the registration of the trade mark "Harvesan" by Hygeia, Ltd., Galway, which was opposed by Boots Pure Drug Co., Ltd., Nottingham. It was stated that "Harvesan" was the trade mark used by Messrs. Boots in connexion with seed dressings which they had on the market in Eire for a considerable time and was so registered and extensively advertised in Britain. The use of the name by Hygeia, Ltd., was claimed to be misleading and confusing, and in Northern Ireland was a breach of the British registration. The case for Hygeia, Ltd., was that Boots, Ltd., did not deal in such a product in Eire. They did not admit that Messrs. Boots had placed "Harvesan" on the Irish market, and that it had been extensively advertised in Ireland, and held that if it had been used, its use had been abandoned.

Arsenic in Gelatin.—At West Bromwich Police Court recently, Alfred Adams & Co., Ltd., were the defendants on two summonses for selling gelatin not of the quality demanded. For the prosecution it was stated that as a result of a report on an informal sample, two official samples of gelatin were bought from the company. It was found, on analysis, that one of the samples contained arsenic in the proportion of one-tenth of a grain per lb. and the other one-thirty-third of a grain. The accepted standard of arsenic content in foodstuffs was that it was not to be more than one one-hundredth of a grain per lb.

Mr. L. Moore, managing director of the company, said that war-time changes in raw materials were leading gelatin makers to protest that it was no longer a practical possibility to make edible gelatin with an arsenical content within the limits of the standard. The invasion of Belgium had stopped large supplies from that country, and the hides from abroad contained a larger proportion of arsenic than English hides. Non-edible gelatin for industrial purposes might contain a high proportion of arsenic. He produced the warranties which had been received with the consignments.

Both charges were dismissed.

Iron Tonic Wine.—At Harrogate, on May 1, Mrs. Caroline Greenwood, partner of Goldsborough Dairies, Harrogate, was fined £20 for selling a bottle of Vironita Iron Tonic wine, which was not of a quality demanded. She was also fined £3 for giving with the wine a label calculated to mislead. Summonses against Maurice Calthorpe, of Woodkirk, James Denton, of Ossett, and Clifford Tordoff, of Drighlington, in respect of a label, were dismissed on payment of costs. The same three defendants, in respect of advertisements, were fined £9. Summonses against W. B. Wright, Bradford, the wholesalers, were dismissed. It was said that the manufacturers of Vironita accepted full responsibility. Mrs. Greenwood bought the wine in good faith from Wright & Co., and they in turn bought it under warranty from M. Calthorpe & Co. who had no intention that the others who had sold their goods should be blamed. The three defendants were ordered to pay fifty guineas costs and also to pay five guineas costs each to Mrs. Greenwood and Wright & Co. Notice of appeal was given.

[M. Calthorpe & Co., East Parade, Leeds, writing to us in respect of above case, state "The sample concerned was taken on December 23, prior to the Keighley case reported in THE CHEMIST AND DRUGGIST January 24. We enclose a label with the alleged misdescription, and the approved label which has been in use since January 1 also the advertisement with the same description and a copy of the advertisement now used."—EDITOR.]

WITHOUT COMMENT.—"Two summers ago I was looking around for a nice easy job with which to pass the long summer vacation profitably. I therefore consulted the Situations Vacant column in the evening paper. I spied the very cat's whiskers. 'Wanted,' it said, 'a man to relieve in shop for the summer. Apply Hygiene Stores, 100 such and such street.' Next morning, clothed in my best Sunday suit, I took the tram into town and eventually found such and such a street in a most unsavoury part of A——, I looked in at number a hundred's window and was shocked. . . . However, undeterred, I opened the door and walked in. . . . But when I got home and told my parents what sort of work I had taken on they nearly threw me out by my neck: the Scottish Presbyterian morality dies hard. After a self-conflicting sleepless night I 'phoned up the Store and told them that I was unable, after all, to accept their job."—From a paragraph in the "Lancet."

PARLIAMENTARY NEWS

Sale of Pre-packed Drugs.—Mr. De la Bère asked the Minister of Health on April 30 whether he could furnish an estimate of the proportion of pre-packed drugs sold to the public otherwise than through registered pharmacists.

Mr. E. Brown: I have no information on which to base an official estimate, but I understand that the proportion is in some quarters estimated at about 20 or 25 per cent.

Edible Seaweed.—Commander Bower asked the Parliamentary Secretary to the Ministry of Food on April 29 whether full use was being made of the large supplies of dulse, carrageen, sugar-wrack and other forms of edible seaweed to supplement the home-grown food supply.

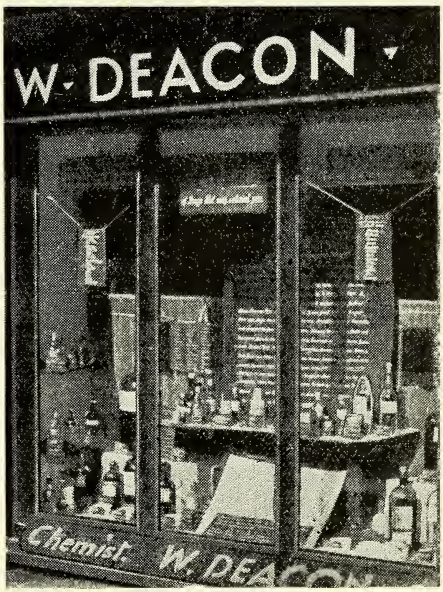
Major Lloyd George: I am informed that the products referred to are eaten by persons resident in the areas where they are to be found. . . . I am advised that their nutritive value is not sufficient to justify the expense of collection and distribution.

Penalties for Black-market Offences.—Mr. Wootton-Davies asked the Home Secretary on April 28 whether his attention had been drawn to the case of Mr. William Henry Johnstone, Netherleigh, Woking, a director of Woodlands (Chemists), Ltd., who, after being fined £10,000 and £15 15s. costs for a quota offence, filed his petition in bankruptcy; and whether the Home Secretary would take steps to prevent people convicted of black-market or quota offences from evading the penalties imposed on them in this way.

The Under-Secretary of State for the Home Department (Mr. Peake): The two cases to which my hon. Friend refers are illustrative of a general problem to which my right hon. Friend has been giving his attention. The question is already under consideration of amending the existing law relating to the enforcement of fines so as to enable appropriate action to be taken in cases where large fines are imposed under the Defence Regulations.

AN ORIGINAL WINDOW DISPLAY

Dunster, one of the beauty spots of England, with its fine battlemented castle, its fifteenth-century church and quaint octagonal market, once the scene of trading in "Dunster" cloths, attracts, even in war-time, a considerable number of visitors. An original window display, the idea of Mr. B. S. Jones, M.P.S., manager of Mr. Walter Deacon's pharmacy, is now attracting the attention of sightseers. In the centre of the window and striking the keynote of the display is a board on which is set out "A tribute to our merchant navy," concluding with the words "Chemists, doctors and hospitals are still able to maintain an efficient service of drugs and medicines because our merchant navy is still delivering the goods." This and all the captions in the window are effectively set out in yellow lettering on a black background. Below the tribute is a habitat map and at the top of each of the side panels there is a list of the drugs in everyday use which are brought from overseas. An appeal to the eye is made by a cleverly arranged display of drugs, oils and so forth, such as senna pods, balsam of tolu, quinine, menthol, cotton wool, catechu, etc., in bottles or on dishes, each clearly labelled with its name and place of origin.



Display of drugs, oils and spices linked with tribute to Merchant Navy

BIRKENHEAD MUTUAL AID SCHEME

BIRKENHEAD and Wirral Pharmacists' Association, at a meeting at Birkenhead on April 22, recommended its members to join the local traders' mutual assistance salvage scheme. The Association is asking for representation on the committee. Messrs. F. G. Collins and R. Pilkington said the purpose of the scheme was mutual help, whereby a trader who escaped air-raid damage assisted in recovering the goods of a less fortunate neighbour and in re-establishing him in business with the least possible dislocation of trade. As soon as possible after damage, a valuer would visit the site to value the damaged goods. When this had been done, the goods would be released for sale without waiting for a visit from the Board of Trade valuer, for unless goods were quickly salvaged they might suffer further deterioration. It was hoped that in such an emergency local chemists might be employed to assist in assessing the damage to chemists' stocks. As much as possible must be recovered, owing to difficulties of replacement.

Closing Hours for Dispensaries

Some discussion arose on the reported desire of the local Insurance Committee that chemists' shops should close during the summer months at 7.15 p.m. instead of 6.30 p.m. as at present. There had been a stubborn fight to prevent this extension, and deadlock had so far resulted. Discussions were still in progress.

Address on Pharmacy's Future

In a five-minute paper on "The Future of Pharmacy," MR. C. H. CRAWSHAW expressed disagreement with Mr. Mallinson's suggestion of two qualifications for pharmacists (one for professional work and a lower one for retail traders) and limitation of the number of pharmacies. He considered that any reduction in the standard of the Chemist and Druggist Qualifying examination would of necessity imply a lowering of prestige of the retail pharmacist at a time when he would most need this prestige. It was likely that after the war the medical facilities of this country would be placed on some form of State basis. In that case, the pharmacist would have to fight hard indeed for any privileges. Two certificates should be available, but only two, and these he thought could be obtained at the same time by abolishing the Ph.C. examation, leaving the title to the M.P.S., who would then be called officially what he was usually, said the speaker, called by the public: a pharmaceutical chemist. The present B. Pharm. degree would still be available for the hospital and research worker. To try and create professional standing in official or Government circles after bringing in such a subject as business methods in the qualifying examination was ridiculous. Limitation of pharmacies was already brought about by the war-time system of licensing new businesses, and this system, said Mr. Crawshaw, would undoubtedly be retained after the war for some years, perhaps permanently. The limitation of pharmacists could not be controlled by continually raising the examination requirements.

Discussion

MR. J. EVASON contended that pharmacists must submit to a more severe code of ethics, particularly regarding the registration of pharmacies and the places where pharmacists might be employed. The public must be made aware of the qualification of pharmacists, who were the only suitable people to distribute drugs to the public and to advise them on the taking of medicines. Legislation was needed to protect the public from buying medicinal preparations from unqualified people.

MR. F. HOWARTH said the pharmacist was not so intimately the friend of the public as he once had been. Whether it was modern business methods which had alienated public sympathy he did not know. He believed too many apprentices were entering pharmacy.

NEW BOOKS

Cosmetics and How to Make Them.—R. Bushby, M.P.S. 7½ in. × 5 in. Pp. 14 Second edition. 6s. Sir Isaac Pitman Sons, Ltd., Pitman House, Parker Stree London, W.C.2. In this new edition of work of which the first edition was itse reprinted in 1936, the principal of tl School of Cosmetic Chemistry explains, a preface, that he has modified the sco of the book to meet the changed conditio arising from the war. Originally intend for people about to take up beauty cultu as a career, the work is now amplified render it more helpful to pharmacist Numerous formulas are included.

CHEMISTRY AND THE COMMUNITY

'HE annual meeting of the London Section f the British Association of Chemists was ield in London on May 2, the chairman Mr. W. C. Peck, M.Sc., A.I.C., M.I.Chem.E.) residing. In the course of his address on he subject of " The Profession of Chemistry nd the Community," the chairman said :—

am going to attempt to give to you some houghts on the chemist in his relation to he social structure at the present time, to uggest some of his responsibilities, and oint out some of his opportunities in the uture. During the last few months there ave appeared many interesting letters and ditorials on the profession of chemistry. 'hat so many contributions have appeared hows that improvement in the professional tructure of chemistry is in the minds of nany chemists today. There appears to e, however, much confusion in the minds f the contributors as to the direction in vhich such improvements should be made, nd many of the proposals, whilst at first ight appearing laudable, seem to be based n unsound reasoning. There appear to be hree quite distinct and definite proposals vhich are put forward, although their ponsors do not put any of them clearly but end to advocate schemes embodying parts f two or three of these basic ideas.

'he Main Proposals

1. To federate all the existing associations nd societies in Great Britain under one ıain body. 2. To organise a real profession f chemistry to include all chemists from the ıost important down to the youngest and ıost ambitious of laboratory assistants. . To create a closed and properly recruited nd highly remunerative professional organ- ation of trained persons, so that they shall eceive a fair and reasonable reward for their ervices.

Let us consider the first proposal, that or the federation of chemical societies (the nstitute of Chemistry, Chemical Society, ociety of Chemical Industry, British ssociation of Chemists, Chemical Club, and ll other societies) under a main body. The urpose of this policy would be :—(*a*) To ın the many separate organisations more conomically by means of a central secre- ıriat. (*b*) To co-ordinate the work of all ıemical organisations of a technical and rofessional nature. (*c*) To house all these rganisations under one roof and so obtain dequate and imposing premises at a reason- ble cost. (*d*) By interchange of member- ship on preferential terms, to enhance the value of each society. (*e*) To control the setting up of other chemical activities except under the auspices of the Federation. Some movement along the lines proposed had, of course, already been taken under the General Chemical Council, but the reason for this has been the onerous duty imposed on certain Societies by the obligation of publishing technical literature. The second and third proposals both concern the organisation of a profession of chemistry, but differ in their conception of the profession. The second proposal includes persons other than those qualified, whilst the third would include only those who have obtained a definite standard of qualification.

The second proposal for organising a real profession of chemistry, including all chemists from the young laboratory assistant, is already finding some advocates. Whereas personnel for teaching and research is recruited from the Universities generally, it has to be recognised that industry recruits chemists by two main methods. One method is by engaging persons who have passed through a course of training in science and who have been examined by some authority such as a University or the Institute of Chemistry, and the other method is to engage young persons at about the age of sixteen as laboratory assistants, mainly from the secondary schools, though not entirely so. By far the greater proportion of these persons do make advancement from their positions as assistants and attain positions as chemists. The exact number of these persons is a matter of some speculation, but the figure of 15,000 is probably a conservative estimate. It is important to realise that in the present state of organisation of the profession of chemistry there is no control of this method of entry, but it is equally important to realise that these persons, who often do not undergo any standardised system of training, are entering the chemical industry and becoming recognised as chemists. Moreover, at present there can be no control of this method of entry, the entry being a two-party arrangement mutually satisfactory to both parties. Such a person acquires a right to the title of chemist by the fact that he is established after some years in a chemical position and has earned his living by that means. The position of the laboratory assistant cannot, therefore, be looked upon as a static one but a transitionary stage

and is, in fact, a method of entry into the profession. Today the Central Register has established a definite grade of such persons, those with training up to Higher Schools Certificate or Intermediate Science with five years' practical experience, and this is the first definite recognition of a group of persons who have entered the profession other than through a University or by the Institute of Chemistry's examination. Any organisation gains immeasurably in power and influence the more truly and authoritatively it can speak and act for the whole of the persons for which the organisation is available, so there is very much to be said for an extension of the membership of the Association to allow these persons, from the youngest person upwards, to fit more definitely into the structure of the Association.

A Closed Profession

The third proposal, that of creating a closed, properly recruited and highly remunerative professional organisation, is not, of course, new, but at the present time has been revived. The proposal is usually put forward with references to the so-called closed professions of medicine and law. Actually, these professions differ in important respects from that of chemistry. First, each is easily able to control the methods of entry, and secondly each is in much more direct contact with the general public than the chemical profession. A " closed " profession can be established only if it is generally conceded that a regular training and the attainment of specific qualifications for every member of the profession is in the mutual interest of both the individual members, and also, and this is just as important, the community which is served by the profession. Such a set of conditions can be readily established and agreed in the medical and legal worlds, but is much more difficult to establish in the chemical world. Only in certain specialised operations in chemistry have these two conditions been established, e.g., the appointment of public analysts, and in the control of the production of poisons under the 1933 Pharmacy Act. Here the persons legally entitled to act are those having qualifications obtained by specified examinations. That it is in the interest of the community that all chemical operations should be in the control of persons having a specified examinational qualification has not yet been conceded.

Whether such a proposal, which in effect aims at controlling " chemical intelligence as a marketable commodity, is desirable a the present time is questionable. A attempt to force such a proposal on th community, which has not conceded i justification, would be sacrificing th interests of the community to the section interest of the chemists, and in the long ru would be disastrous to the profession. Th type of proposal was typical of the dem cracies in those years preceding the wa During those years it was the " rights " persons and classes that were stress unduly and their " obligations " ar " responsibilities " were neglected. In m view it would be unwise to stress this pr posal at the present time.

The Scientific Era

The improper use or neglect of science one of the causes of the present disastro world situation. Today, as chemists, v can do much for the benefit of the co munity by stressing the utmost use science in the prosecution of the war, a this in itself will react to the benefit of t profession by ensuring a continuous dema for more and more scientists in the futu The responsibility the chemist has to t community to advise on the utilisation scientific knowledge should be recognis because it will react to the ultimate bene of the chemical profession. This point view can be better understood by conside ing the chemist in the part he plays forming that group of persons known scientists. For those who require defi tions, science can be defined as " t organised attempt of mankind to discov how things work as causal systems Before the catastrophe of the present w fell upon us it was stated that " under co ditions of modern civilisation, the co munity in general, as well as industry, dependent upon pure and applied scien for its continued progress and prosperity Under the influence of modern scienti discoveries and their application, not only industry but also in many other directio the whole basis of society is rapidly beco ing scientific, and to an increasing exte the problems which confront the natio administrator, whether judiciary or exec tive, involve factors which require scienti knowledge for their solution. If a scienti civilisation is to be a good civilisation, should accompany an increase in wisdo Scientific workers must accept respons lity for the control of the forces which ha been released by their work.

C. & D. DISPENSING PRICE LIST

THE index of drug prices for April was affected by increased budget taxation on alcohol, which, with other changes, caused the figure to rise from 132·1 in March to 134·0 in April, the corresponding figure for April 1942 being 123·1. Changes in prices are set out below :—

Cost d.	per	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price 4 oz.	1 oz.	1 dr.
			s. d.	s. d.	s. d.
62	oz.	Acid. camphoric.	—	9 10	1 5
11	oz.	Acid. gallicum ..	—	1 8	0 3
77	pt.	Alcohol 95 per cent. (duty paid) ..	16 8	4 7	0 8
10	oz.	Antim. et sodii tart. S.1 (4)	—	1 6	0 3
31	oz.	Aqua cinnam. conc.	—	5 0	0 10
31	oz.	Aqua anisi conc.	—	4 7	0 8
33	oz.	Aqua cari conc. ..	—	4 10	0 8
31	oz.	Aqua menth. pip. conc. exot. ..	—	4 7	0 8
25	lb.	Aqua rosæ dest. ..	1 0	0 4	0 1
76	oz.	Aqua rosæ conc. B.P.C.	—	10 11	1 7
36	oz.	Aqua sambuci conc.	—	5 3	0 9
75	lb.	Benzoin. pulv. ..	2 9	0 10	0 2
45	oz.	Caffeina	—	7 10	1 2
30	oz.	Caffeinæ citras ..	—	4 10	0 9
30	oz.	Caffein. et sodii benz.	—	4 10	0 9
52	oz.	Caffein. et sodii iodid.	—	8 4	1 3
30	oz.	Caffein. et sodii salicylas ..	—	4 10	0 9
46	lb.	Capsici fruct. pulv.	1 9	0 7	0 1
90	oz.	Carbromalum ..	—	14 2	2 1
46	lb.	Catechu pulv. ..	1 11	0 8	0 2
55	lb.	Cinchonæ succirubræ pulv. ..	2 3	0 9	0 2
24	oz.	Copaibæ resina ..	—	3 10	0 7
94	lb.	Elixir aletridis B.P.C.	3 9	1 2	0 2
56	lb.	Elixir aromaticum B.P.C.	6 2	1 10	0 4
92	lb.	Elixir ovolecithini B.P.C.	3 7	1 1	0 2
35	lb.	Elixir papaini B.P.C.	5 4	1 7	0 3
14	lb.	Elixir pepsini B.P.C.	4 7	1 5	0 3
74	lb.	Emuls. menth. pip. B.P.C.	6 10	2 1	0 4
14	lb.	Emuls. anisi et menth. N.W.F.	4 6	1 4	0 3
18	oz.	Ext. aletridis liq. B.P.C.	—	3 0	0 6
15	oz.	Ext. aloes socot. pulv.	—	2 6	0 5
30	oz.	Ext. bellad. sicc. ..	—	4 10	0 8
28	oz.	Ext. krameriæ sicc. pulv.	—	4 6	0 8
27	lb.	Ferri carbonas saccharatus ..	1 2	0 5	0 1
60	lb.	Inf. aurantii conc.	2 4	0 9	0 2
53	lb.	Inf. aurantii co. conc.	2 2	0 9	0 2
37	lb.	Inf. calumbæ conc.	1 6	0 7	0 1
90	lb.	Inf. senegæ conc. ..	3 7	1 1	0 2
102	lb.	Lin. belladonnæ meth. S.1 (5)	4 0	1 2	0 2
44	lb.	Lin. camph. ammon. meth. P.11 (9)	1 9	0 7	0 1
124	lb.	Lin. crotonis meth. P.1 (12)	4 10	1 5	0 3
94	lb.	Lin. hydrargyri ..	11 0	3 2	0 6
88	lb.	Liq. ferri albuminat. 1'23 ..	3 7	1 1	0 2
9	dr.	Ol. aurantii dulc. ..	—	—	1 4
135	oz.	Ol. menth. redest.	—	—	2 10
14	lb.	Paraff. molle alb.	0 9	0 3	—
10	lb.	Paraff. molle flav.	0 8	0 3	—
65	oz.	Phenobarbitonum ℞ only	—	10 4	1 6
65	oz.	Phenobarbiton solub. ℞ only	—	10 4	1 6
136	oz.	Procain. hydrochlor. S.1 (4)	—	—	2 1 0
120	lb.	Pulv. tragacanthæ co.	—	1 5	0 3
168	oz.	Quinin. æthylcarbonas ..	—	—	3 10
43	lb.	Sennæ fol. alex. pulv.	1 10	0 8	0 2
10	dr.	Spt. cinnamomi ..	—	—	1 6
73	oz.	Spt. lavandulæ B.P.C.	—	10 7	1 7
60	oz.	Spt. menth. pip. ..	—	8 9	1 3
47	oz.	Spt. rosmarini exot.	—	6 10	1 0
44	lb.	Syr. anisi	2 2	0 9	0 2
58	lb.	Syr. aromaticus ..	2 10	0 11	0 2
59	lb.	Syr. aurantii ..	3 0	1 0	0 2
32	lb.	Syr. ribis nig. ..	1 8	0 7	0 1
72	lb.	Syr. ribis rub. ..	3 6	1 1	0 2
26	lb.	Syr. violæ	1 6	0 7	0 1
39	oz.	Tr. aurantii ..	—	5 9	0 10
27	oz.	Tr. cocci	—	4 0	0 7
44	lb.	Tr. quininæ ..	1 7	0 7	0 1
35	lb.	Ung. adipis lanæ co.	1 6	0 7	0 1
58	lb.	Ung. ichthammol. co.	2 5	0 10	0 2
13	lb.	Zinci sulphat. ..	0 7	0 2	—

EIRE BABY FOOD SHORTAGE EASED.—The shortage of baby foods in Eire has been eased by the release, by Department of Supplies, of supplies of oat flake-meal and barley.

TRADE NOTES

Allenbury's Diet in Ample Supply.—Allen & Hanburys, Ltd., London, announce that they have ample supplies of Allenbury's Diet available at present.

Coupons Required.—Pure Products, Ltd., Colwick, near Nottingham, state that they have been informed by the authorities that their speciality Derbac soap is subject to rationing, and that coupons must be cancelled in exchange for it.

C. R. Crosskill & Sons, merchants and importers, Norwich, thank all who have written and telephoned them since the heavy raids on the city, and state that they hope to be giving their usual service in a few days' time.

Moorland Indigestion Tablets.—W. B. Cartwright, Ltd., Rawdon, Leeds, wish to remind chemists that whatever difficulties may arise they will do their utmost to ensure that supplies of Moorlands are available and distributed fairly.

Again Available.—Continental Laboratories, Ltd., Brunel Road, East Acton, London, W.3, announce that Codoforme Botol is again available in limited quantities; it is packed in two sizes only (20's and 250's) and the prices are unchanged.

New B. W. Products.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, give details on another page of some recent important additions to the list of products they manufacture. These preparations are British-made medicinals introduced to meet war-time needs.

A New Product.—J. W. Simpson (Chemist), Ltd., Iodine House, Museum Street, London, W.C.1, have introduced under the title of Simpson Medicated Foot Ointment a new product, details of which are given in the company's advertisement. It will be noted that a bonus offer and display material are available.

Decontrolled.—Arthur H. Cox & Co., Ltd., Brighton, state that their Chestnuts and chest and lung tablets are no longer regarded as sugar confectionery, and therefore not classified under maximum retail price. Restricted supplies of these products are available to chemists who have hitherto been regular purchasers.

Purchase Tax on Baby Powder.—Vinolia Co., Ltd., Bebington, Wirral, Cheshire, state that although the local Customs and Excise officer declared that the rate of purchase tax payable on the specially-licensed unperfumed Vinolia baby powder was to b at the double rate of 66⅔ per cent. fro April 15, he has now confirmed that thi product, which is unperfumed and untinte remains liable at the rate of 33⅓ per cen Thus the retail prices of Vinolia bab powder purchased since April 15 are 1s. fo the standard tin and 1s. 6d. for the larg size, both inclusive.

Business Changes

Chemia Products, Ltd., have remove to 27–28 Finsbury Square, London, E.C.2 Telephone: Kelvin 5097.

Brush Electrical Engineering Co Ltd., have removed their London office t Surrey House, Victoria Embankmen London, W.C.2.

The Gardner Company (London), Ltd atomiser manufacturers, have removed t 79 Bedford Road, Clapham, London, S.W. Telephone: Brixton 1152.

COMING EVENTS

Sunday, May 10

Liverpool Branch, Catholic Pharmaceutical Guild, Cathedral Building Brownlow Hill, at 3 p.m. Dr. C. H Bradley, M.D., on "The Heart in Healt and Disease."

Tuesday, May 12

Nottingham Branch, National Association of Women Pharmacists, Children Hospital, Nottingham, at 7.15 p.m Address by Miss Hodgkinson.

Wednesday, May 13

Birkenhead and Wirral Pharmacist Association and Branch, Woodsid Hotel, Birkenhead, at 7.30 p.m. Annu meeting.

The British Chemical and Dyestuff Traders' Association, Ltd., Grea Eastern Hotel (Abercorn Rooms London, E.C.2, at 2.30 p.m. Annu meeting.

Pharmaceutical Society of Grea Britain, 17 Bloomsbury Square, Londo W.C.1, at 2.30 p.m. Mr. Philip Hami M.D., D.Sc., F.R.C.P., on "Prescribi in War-time."

Wednesday, May 20

Pharmaceutical Society of Grea Britain, 17 Bloomsbury Square, Londo W.C.1, at 3 p.m. Annual meeting.

BIRTHS

BIXTER.—At 19 West Street Prescot, Lancs, on May 2, Bessie Irene, the wife of W. L. Bixter, M.P.S., of a son.

MARRIAGES

HANLEY — NEYLON. — At Ballybrown Church, Clarina, William Hanley, Ph.C., 108 O'Connell Street, Limerick, to Mary Neylon, Carron, co. Clare.

QUIGLEY—AGNEW. — At Mount Saint Nicholas R.C. Church, Carrickfergus, co. Antrim, Coleman Quigley, chemist, Crossmaglen, co. Armagh, to Elizabeth Agnew, Carrickfergus.

DEATHS

BARKER.—Recently. Mr. Arthur Brook Barker, M.P.S., 50 Knowles Lane, Elmers Dene, Gomersal, Leeds, aged seventy-three.

DAVISON.—On April 23, Mr. Isaac Davison, Ph.C., The Grove, Moyallon, Portadown. Mr. Davison carried on a successful business locally until a few years ago. He was the founder of the famous headache powders styled "Mrs. Cullen's Headache Powders," which commanded a considerable sale throughout the country. Elected a member of Portadown Urban Council in 1908, Mr. Davison occupied a seat on that body for some years. He took a great interest in church matters and in many philanthropic objects throughout the country. Until his death he was secretary to Portadown Parish Church Select Vestry, and had been a churchwarden.

HOGG.—At his residence, 17 Eglantine Avenue, Belfast, on April 28, Mr. Samuel Hogg, Ph.C., aged seventy-three. On the day of his death Mr. Hogg was apparently in his usual health and paid two visits to the city. He commenced business in 1898 and had two shops on the Shankill Road, one of them adjoining the Albert Hall. About four years ago he retired, and the business has since been carried on by his eldest son, Mr. Norman Hogg, Ph.C. Mr. Hogg is survived by his wife, three sons and three daughters.

RAINE.—On April 9, Mr. Ernest Bradley Raine, M.P.S., 43 Northumberland Avenue, South Wanstead, London, E.12.

SMITH.—At Glasgow Royal Infirmary, recently, Mr. Daniel Morrison Smith, M.P.S., Airlie Street, Alyth.

STEVENSON.—At Avondale, Dillon Hill Road, Surbiton, on April 25, Mr. Henry Ernest Stevenson, aged eighty-six. Mr. Stevenson was a well-known figure in the wholesale drug trade for many years. He was at one time a partner in the firm of Baiss Brothers & Stevenson, but eventually he launched out on his own and founded the business of H. E. Stevenson & Co., and built up a very good export connexion, particularly with South America.

STEWART.—At 112 High Street, Aberlour, on April 22, Mr. James M. R. Stewart, M.P.S., aged fifty-eight.

THWAITES.—Recently, Mr. Eric Thompson Thwaites, M.P.S., Holly Avenue, Whitley Bay, Yorks, aged thirty. At an inquiry into the circumstances attending the death of Mr. Thwaites it was stated that he had been using paraffin to light a fire. The Coroner returned a verdict of death from shock and exhaustion following burns accidentally received.

WATTS.—On April 27, Mr. William Watts, J.P., Lincluden, Crieff, Perthshire. Mr. Watts, who was a native of Dumfries, went to Crieff about fifty years ago as assistant to the late Mr. James Harley, James Square. Later the business was re-formed as Harley & Watts, Ltd., Mr. Watts retiring a few years ago. He had a long record of public service and had been Provost of the Burgh for eighteen months, and for fourteen years was chairman of the managers of Crieff Cottage Hospital, where since the installation of *x*-ray plant he acted as honorary radiographer.

WILSON.—At 49 Corftend Avenue, Glasgow, on April 29, Mr. James Alexander Wilson, M.P.S., Duke Street.

RECENT WILLS

MR. JAMES HUGILL SCOTT, retired chemist, St. Germans, St. Brannock's Park, Ilfracombe, who died on February 20, left £30,917 gross, with net personalty £24,324.

ALDERMAN HERBERT SAMUEL DURBIN, Ph.C., Parkstone, Kingsdowne Road, Surbiton, Surrey, of Durbin's Drug Stores (Kingston), Ltd., Charter Mayor of Surbiton in 1936, who died on October 11, left £21,216, with net personalty £9,938.

MR. HERBERT KAY, 11 Ullswater Road, South Shore, Blackpool, Lancs, a director and one of the founders of James Kay & Sons, Ltd., soap manufacturers, Ramsbottom, who died on January 21, left £17,800 gross, with net personalty £17,726.

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VOL. CXXXVII MAY 9, 1942 NO. 3248

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Companies' Annual Returns

THE attention of company directors and secretaries is called by the Board of Trade to the provisions of an Order-in-Council amending the Defence (Companies) Regulations, 1940, which was published on May 5 (S.R. & O., 1942, No. 803). The object of the Order is to save paper and its principal effect is to relieve public companies from the obligation to include in their annual returns, commencing with the return due this year, the information required by the Companies Act as to present and past members of the company and the stock and shares held by or transferred to them. The Order does not apply to the first annual return of any company or to any annual return of a private company In these cases the full return as required by the Companies Act must still be made. The Order also provides for the same protection to companies destroying cancelled share and stock certificates as was given by Regulation 7 of the Defence (Companies) Regulations (S.R. & O., 1941, No. 1778) in the case of share or stock transfer deeds. In addition, it widens the application of Regulation 7 by extending it to companies and transfer documents not previously included. The urgent need for every form of paper saving, especially in annual reports and prints of chairmen's speeches, which should be condensed to the utmost extent, is emphasised. Companies are also urged wherever possible to make available as salvage, if they have not already done so, old records, such as old dividend sheets or books and paid dividend warrants. Copies of the Order are available at H.M. Stationery Office, Kingsway, W.C.2, and through booksellers.

Calamine Lotion on Prescription

MANY chemists have wondered whether they are in order in supplying calamine lotion without restriction when it is required for medicinal purposes, since on other occasions it is sold for toilet use, in which case it is subject to the Limitation of Supplies Orders. In an endeavour to clarify the position a ruling was sought from the Board of Trade, which decided that "calamine lotion is classed as a toilet preparation and supplies of this product must be restricted in accordance with the terms of the Limitation of Supplies Order." As this decision did not seem to take into consideration the question of supplies of calamine lotion in bulk for use in hospitals or when dispensed by chemists on a doctor's prescription for the medical treatment of skin conditions, a further ruling was sought. The Board of Trade have now decided that "they are prepared to issue licences to firms wishing to supply specific orders for calamine lotion required by hospitals." This makes the position of bulk supplies to hospitals quite clear. With regard to supplies of calamine lotion on a doctor's prescription, however, it is the view of the Board of Trade that "a doctor's prescription is not regarded as necessarily warranting supply outside quota, but the Board would be prepared to consider separate applications on their merits." This latter view will no doubt come as a shock to many pharmacists who have always regarded a doctor's prescription as a guarantee that the preparation concerned was not a toilet preparation but was required purely for medicinal purposes. In making this decision the Board of Trade can hardly have appreciated the obvious fact that the only person qualified to decide whether or not calamine lotion is required for medical purposes in any particular case

is the doctor who examines the patient and gives the prescription, and the offer "to consider separate applications on their merits" seems to be quite pointless. In any case, the suggested procedure of sending a prescription to a Government Department for approval before it is dispensed would not only entail considerable delay in treatment and extra work for the pharmacist, but would represent an unnecessary bureaucratic interference in a relationship existing between doctor and patient which has always been essentially a personal one.

ANOTHER SALVAGE CONTEST

ANOTHER National Waste Paper Contest is on its way. The previous one, in January, produced record-breaking results. The new one, which begins on May 1 and ends on July 31, will earn £10,000 for the successful local authorities in England, Wales, Northern Ireland and Scotland.

The prize money, which has been donated by public-spirited organisations, will be distributed to those local authorities in whose districts is collected (by the local authorities themselves, by waste paper merchants, by voluntary organisations or otherwise) the heaviest weight of waste paper, books, cartons, etc., per thousand of the population, from May 1 to July 31 inclusive. For the purpose of the contest all local authorities in England, Wales and Northern Ireland have been divided into three divisions—borough councils, urban councils, and rural councils. In each division the prize money will be allocated as follows:—

1st prize	£1,000
2nd ,, ...	500
3rd ,, ...	350
4th ,, ...	250
5th ,, ...	200
6th ,, ...	150
7th ,, ...	50
	£2,500

Another £2,500 has been allocated to Scotland for a similar contest, thus making the total prize money £10,000.

Under the terms of this new contest there will be no competition between large boroughs and small rural areas. Boroughs will compete only with boroughs, urban districts only with urban districts, and rural districts only with rural districts. The ultimate disposal of the cash prizes is left to the entire discretion of the successful local authorities. The money will be theirs to do what they will with, but it is generally agreed that local charities will benefit.

As a citizen you can help to win a prize. Save your waste paper, books and cartons. See that they are kept separate from your ordinary waste, and that they are bundled up for the salvage collector. These are your legal duties. Turn out your cupboards, give up your old letters, music sheets, invoices—every scrap that you can find. This is your patriotic duty. But still you can do more. You can join the Salvage Stewards' scheme that is being organised by your council. Your help will be welcomed. Give your name to your council today. By becoming a Salvage Steward you will be doing an important war job. You will, in fact, be helping to make munitions.

TRADE MARKS

(*From "The Trade Marks Journal," April* 15, 1942)

"PEGTEX"; for pharmaceutical preparations and substances (5). By Austen McOlvin Laws, 30 Benton Road, High Heaton, Newcastle-on-Tyne. 617,283.

"INOP"; for spectacles, etc., and for parts and cases for same (9). By International Optical Co., Ltd., 608–09 Grand Buildings, Trafalgar Square, London, W.C.2. 617,766 (Associated).

"LEMCITA"; for lemon-flavoured beverages (32). By The Scottish Flavour & Colour Co., Ltd., 27 Ratcliffe Terrace, Edinburgh. 617,451.

(*From "The Trade Marks Journal," April* 22, 1942)

"BAROQUEZ"; for soaps, perfumery, cosmetics, hair lotions and dentifrices (3). By E. G. Goebel, 12 Charleville Road, Charleville Court, London, W.14. 617,543.

"VELVONA"; for soaps (3). By F. C. Calvert & Co., Ltd., Tower Chemical Works, Gibbon Street, Bradford, Manchester. 617,880.

"LUCKISTAR"; for bleaching and cleansing preparations, soaps, perfumery, essential oils, cosmetics, hair lotions and dentifrices (3). By London Soap & Chemical Co., Ltd., 30 Richardson Street, London, S.E.1. 618,154 (Associated).

"CANNIBAL"; for bleaching and cleansing preparations, soaps, perfumery, essential oils, cosmetics, hair lotions and dentifrices (3). By Kay & Kay, Ltd., 30 Richardson Street, London, S.E.1. 618,155 (Associated).

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

V.—Essential Minerals

MINERALS which are essential for nutrition may be divided into two classes:—(1) Those needed in fairly large amounts, e.g. sodium, potassium, calcium, magnesium, phosphorus, sulphur, chlorine.

(2) Those needed only in traces, e.g. iron, copper, silica, fluorine, iodine, manganese.

Constant Minerals.—Sodium and chlorine are constant constituents of the body fluids, and if the concentration of either falls below a certain minimum the results may be serious. Diets normally eaten in this country contain so much sodium chloride that deficiency occurs only in conditions where long continued work in a hot dry atmosphere has caused profuse perspiration and led to an undue loss of sodium chloride in the sweat. Coal miners, for example, are liable to suffer from cramp due to a deficiency of sodium chloride produced in this manner, and gain relief by drinking large quantities of a suitable beverage containing a small proportion (less than 1 per cent.) of common salt. Potassium is needed in muscles and red blood cells. Vegetables provide ample quantities. Deficiencies are not normally encountered. The intake of sodium and potassium is of importance in Addison's disease. Calcium and phosphorus are needed mainly for bone formation, hence their requirements are greater in children than in adults. For example, a child aged two requires about 1 gm. of calcium daily, whereas a man requires about 0·8 gm. But the food intake of such a child, measured by its energy requirement as shown in the adjoining table, is only about a third of that of the man. The child has to get more calcium than the man into a third of the amount of food that the man eats. Therefore the concentration of calcium in the food the child eats must be three times as great as in the food the man eats. Hence in attempting to make good a deficiency of calcium in the national diet it is necessary to rely on allotting more of the calcium-rich foods such as milk and cheese to children rather than on adding calcium to bread, which is eaten in larger quantities by adults than by children. The addition of a certain amount of calcium to wholemeal bread may be justified because the latter contains more of the substance phytic acid, which interferes with the assimilation of calcium, and thus more of the latter is required in a diet in which white bread has been replaced by wholemeal bread. But this does not mean that a very large proportion of the calcium requirements of children could be met by addition of calcium to bread.

MINERAL REQUIREMENTS IN RELATION TO FOOD INTAKE

	Daily requirements			Requirements per thousand Calories	
	Calcium gm.	Iron mgm.	Calories (thousands)	Calcium gm.	Iron mgm.
Infant .	1·0	6	1·0	1·0	6·0
Child 1–3	1·0	7	1·2	0·8	5·8
,, 4–6	1·0	8	1·6	0·6	5·0
,, 7–9	1·0	10	2·0	0·5	5·0
,, 10–12	1·2	12	2·5	0·5	4·8
,, 13–15	1·4	15	3·0	0·47	5·0
,, 16–20	1·2	15	3·1	0·39	4·9
Man . .	0·8	12	3·5	0·23	3·4
Woman:—					
Pregnant	1·5	15	2·5	0·60	6·0
Lactating	2·0	—	3·0	0·67	—

Requirements of phosphates are roughly parallel with those of calcium. Adult daily requirement of iodine is approximately 0·05 to 0·15 mgm. and of copper 3 to 5 mgm. All mineral requirements are stated in terms of the actual elements. Food intake is measured by energy requirements in thousands of Calories per day.

Calcium-Phosphorus Ratio.—In children phosphorus is needed mainly for bone formation. Bones contain about twice as much calcium as phosphorus, and the requirements of phosphorus in children, especially in infants, should therefore be about half that of calcium. This is borne out by the fact that human milk contains twice as much calcium as phosphorus (i.e. the calcium-phosphorus ratio is 2·1). Such ratio appears to be optimal for the assimilation of calcium by infants. In cows' milk the calcium-phosphorus factor is about 1·3, and although the milk contains about four times as much calcium as human milk does, the calcium is not so well absorbed unless the supply of vitamin D to the infants is greatly increased.

Calcium and Magnesium.—These two minerals are usually found in the same tissues modifying each other's properties. The hardness of the teeth, for instance, appears to depend on traces of magnesium phosphate in the calcium phosphate which forms the bulk of the inorganic matter. Bone formation depends on the presence of magnesium as well as on calcium and phosphorus. Magnesium also modifies the stimulation of muscles and nerves by calcium. An animal may be rendered unconscious by subcutaneous injection of a magnesium salt, and then rapidly brought back to consciousness by injection of a calcium salt. No accurate information is available about the requirements of magnesium. Since, however, definite deficiency of magnesium has not yet been observed in man, it is assumed that normal diets contain sufficient magnesium. Analysis of these diets show that they provide about a third of a gram daily to the average adult. The daily adult requirement of magnesium is therefore not more than a third of a gram, and may be appreciably less.

Requirements of Iron.—Iron is needed for the formation of hæmoglobin, the red blood pigment which carries oxygen. Deficiency of iron therefore leads to shortage of hæmoglobin, causing anæmia and general weakness. This shortage may be detected either by matching the diluted blood, treated with carbon monoxide to convert unstable hæmoglobin into stable carboxyhæmoglobin, against a suitable standard, or by counting the number of red cells in a given volume. A red cell count is more useful clinically because the proportion of young red cells can also be determined, and this proportion is higher than normal when a cure of pernicious anæmia is being effected. Hæmoglobin estimations and red cell counts on large numbers of persons have shown that the diets of many people are deficient in iron. Sir John Orr has estimated that nearly half the population of this country does not obtain enough iron in its diet to provide its requirements. Married women, especially those bearing a number of children, are frequently found to have iron deficiency, due to the fact shown in the adjoining table that the requirement of iron in a pregnant woman is greater than in a man. Comparison of the iron requirements at different ages with the energy requirements (and therefore with the food intake) shows that the diet of children, especially young children and infants, needs to be considerably richer in iron than the diet of men. The requirement of iron per thousand Calories for children over three years is 5·0 mgm. as compared with 3·4 mgm. for a man. Hence the diet of such children should contain 5·0/3·4 or approximately 1·5 times the concentration of iron present in the diet of a man. Since the corresponding figure for calcium was shown to be approximately 3, it is clear that the enrichment of bread with iron would do more to make good deficiencies in the children's diet than its enrichment with calcium, but this would not necessarily apply to pregnant women. The best sources of iron are wholemeal bread, oatmeal, eggs, potatoes and green vegetables. Contrary to a widespread opinion, meat is not a particularly good source of iron. There is certainly a fair amount of iron in beef, but only about a tenth of it appears to be assimilated. Wholemeal bread contains only about two thirds of the total iron in raw beef, but about eight-tenths of the iron in wholemeal bread is assimilated the "available" iron in wholemeal bread is $8 \times \frac{2}{3}$ or about five times the concentration of the "available" iron in beef.

"Availability" of Minerals.—Both iron and phosphorus occur in foods in forms which are not assimilated. Therefore calculation of the iron or phosphorus value of a food requires data not only on the total iron or phosphorus content but also on the percentage of this which is available to the human body. The lowest percentages of available phosphorus are found in certain cereals, nuts and pulses, e.g. brazil nuts 14, barcelonas 17, almonds 18, coconut 19, cobnuts 26, peanuts 43, haricot beans (raw) 50, sago 50, wholemeal flour 53, butterbeans (raw) 54, oatmeal and walnuts 58, rice (polished) 59, lentils (raw) 62. Taking into consideration the percentage available, the best sources of phosphorus are milk, cheese, certain fish such as sardines, sprats and kippers, and walnuts. Meat is on the whole a much better source of phosphorus than fruit and vegetables are. Clinical evidence of a deficiency of phosphorus in the diet is not easy to obtain. Since the utilisation of phosphorus is closely connected with the supplies of calcium and of vitamin D, the development of rickets in children may be due to a deficiency of any one of these three factors, and phosphorus has usually been assumed to be least likely to be deficient.

Copper, Iron and Manganese.—Copper is associated with iron in physiological functions such as the formation of hæmoglobin

he adult daily requirement of copper is robably 2 to 3 mgm. Most foods which ontain iron also contain copper in smaller mount, and up to the present no definite vidence has been obtained of copper eficiency in man. Copper may occur in anufactured foods through the use of plant ontaining this metal, and steps are being aken to prevent the concentration of opper in such foods reaching a level at hich it might be injurious. Manganese generally closely associated with iron, ut little is yet known about its physiogical functions. The daily requirement children is said to be from ½ to 5 mgm. ccording to body weight. The best sources f manganese are oatmeal, soya beans, holemeal bread, barley and rice.

Iodine.—This element provides a striking example of the physiological importance of minute traces of a given substance. The daily requirement of an adult has been estimated as being between 0·05 and 0·15 mgm. Even a small deficiency of iodine in the diet may appreciably affect the capacity to work, since the iodine is needed for the formation of thyroxine, the hormone controlling the metabolism and bodily activities as a whole. Serious deficiency of iodine over a considerable period of time may lead to a decline in mental ability. The best sources of iodine are eggs, oatmeal, lettuce, milk, leeks, cabbage, carrots, onions and potatoes. Iodine deficiency has been prevented in Switzerland and America by adding potassium iodide to table salt.

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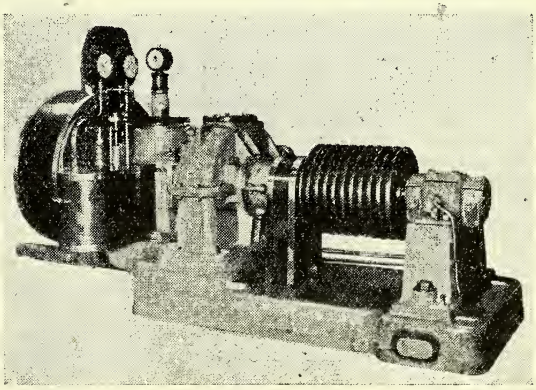
A typical example of a recent development in small steam turbine drives is the unit illustrated, which is a back-pressure installation of only 90 B.H.P. running at a speed of 4,500 revolutions per minute, with single-reduction double-helical gear drive operating a short extension shaft, on which is mounted a vee-rope pulley. The steam pressure at the turbine stop valve is 160 lb. per sq. in., that is, ordinary boiler pressure, while in this particular case the steam is discharged from the turbine for heating and process work at 100 lb. per sq. in. In a most convenient manner the turbine-reduction gearing and outer pedestal bearing are carried on a bed-plate, which at the same time forms the oil reservoir for the lubricating system. (The unit is made by Hick, Hargreaves & Co., Ltd., Bolton.)



TRADE REPORT

Spot prices for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, May 6

THE week has again been without outstanding development in the London drug and chemical markets, the only bright feature being a steady consuming trade. The general tone is firm, and prices on the whole have remained at about the levels recorded last week. There is little to comment on in the PHARMACEUTICAL CHEMICALS markets; business has again been on the quiet side, with prices for home makers' products well up to recent levels as recorded in these pages.

Crude Drugs

While there is little activity in the markets for these commodities, a fair trade is passing direct between importers and consumers. Prices are mostly firm. Business in Japanese AGAR is negligible, being confined to occasional sales of odd bales. Cape ALOES remains firm but unchanged. Supplies of ANTIMONY are stated to be adequate for official requirements, but other uses are not being catered for. Sumatra BENZOIN has again been in fair inquiry. A moderate consuming inquiry has been received for CAMPHOR, but sales are mostly confined to approved buyers. CARDAMOMS remains quiet and unchanged. There is no change to report in the position of CASCARA SAGRADA. Supplies of CHILLIES are restricted, but prices are without fluctuation. There appears to be no COLOCYNTH available on spot to meet the continued demand. Ample supplies of ERGOT are available, but not much interest is being taken. No official information has been received regarding the fixing of maximum prices for GINGER. IPECACUANHA, in moderate demand, is selling slowly at about unchanged prices. A little more interest is being taken in MENTHOL, but prices are without quotable change. A further rise has occurred in the spot price of PIMENTO. More interest has been taken in SENEGA, and some business is recorded. SHELLAC has been slow, but prices have advanced. SQUILL remains in ample supply.

Essential Oils

Business in these products has continued in limited quantities, but prices, on the whole, are unchanged. ANISE (STAR) has again been in good inquiry. BOIS DE ROSE is steady at the figure quoted last week. No important price movements have occurred in CITRONELLA. Supplies of PEPPERMINT are becoming increasingly difficult to find. The Ministry of Food announces unchanged prices for oils and fats allocated to primary wholesalers and large trade users during the four weeks ending May 30.

Exchange Rates on London

The following were Bank of England fixed rates at the opening on April 29: New York, 4.03 dollars; Montreal, 4.45 dollars; Lisbon, 100 escudos; Stockholm, 16.90 kroner; Zurich, 17.35 francs; Buenos Aires, 17.04⅜ paper pesos; Netherlands West Indies, 7.60 florins. The official Madrid rate remains at 40.50 and the free rate at 46.55 pesetas. Chinese national dollar is at $3\frac{1}{16}$d.

Pharmaceutical Chemicals

ACETANILIDE.—Prices are unaltered, as follows: B.P.C. crystals and powder, 2s. 4d. to 2s. 6d. per lb. The supply position is unchanged.

ALLOBARBITONE.—British makers state that supplies are available at about 60s. per lb.

AMPHETAMINE.—British makers' quotations are steady at around 150s. per lb.

ATROPINE.—Makers' prices are at the following levels: ALKALOID, 28s. per oz., 4 oz., 28s. 6d., and 25 oz., 28s. per oz. SULPHATE, 23s. per oz.; 4 oz., 22s. 6d., and 25 oz., 22s. per oz. Bottles, under 5-gm. or ¼-oz., corked, 3d.; stoppered, 5d.; 5-gm. to 25-gm. or ¼-oz., corked, 3½d.; stoppered, 6d.; 25-gm. or 1-oz., corked, 3½d.; stoppered, 7½d.; 50-gm. or 2-oz., corked, 4d.; stoppered, 9d. each; 100-gm. and over, included in price; tubes, per 100, 5-gr., 10s. 6d.; 10-gr., 12s. 3d.; 15-gr., 14s.

BENZOIC ACID.—Fair supplies are stated to be available for medical purposes. The price would be in the region of 2s. 6d. to 3s. per lb., according to quality and quantity.

BENZYL BENZOATE.—Makers state that reasonable supplies may be had for therapeutic purposes. Prices remain at approximately 4s. 6d. to 5s. per lb.

BISMUTH SALTS.—Makers' prices for the two leading salts are as follows: CARBONATE.—Not less than 1 cwt., 8s. 4d. per lb.; 28 lb.–1 cwt., 8s. 7d.; 8 lb.–28 lb., 10s.; 4 lb.–8 lb., 10s. 9d.; under 4 lb., 11s. 3d. SUBNITRATE.—Not less than 1 cwt., 7s. 3d. per lb.; 28 lb.–1 cwt., 7s. 6d.; 8 lb.–28 lb., 8s. 8d.; 4 lb.–8 lb., 9s. 5d.; under 4 lb., 9s. 11d.

BORAX and BORIC ACID.—The latest price change occurred on November 24, 1941, when prices were standardised, as follows:—

	Commercial	B.P. quality
	per ton	per ton
BORAX:		
Granulated ..	£31 10s.	£39 10s.
Crystal	£32 10s.	£40 10s.
Powder	£33 0s.	£41 0s.
BORIC ACID:		
Granulated ..	£52 15s.	£60 15s.
Crystal	£53 15s.	£61 15s.
Powder	£54 15s.	£62 15s.

Packed in one-cwt. bags, delivered carriage paid Great Britain, in one-ton lots and upwards.

BROMIDES.—Makers' prices per lb. for cwt. lots of POTASSIUM are as follows: 2s. 9½d. (28-lb. parcels); 2s. 10d. (14-lb. parcels); 2s. 10¼d. (7-lb. parcels); 2s. 10¾d. (4-lb. parcels); 3s. 0½d. (1-lb. parcels). Prices for SODIUM are at one penny per lb. above these prices, and for AMMONIUM, threepence per lb. above.

CITRATES.—Makers' prices for POTASSIUM, B.P., are given in table below, and prices of SODIUM, B.P., are at one penny lb. below, and IRON and AMMONIUM (SCALES), B.P., at threepence per lb. above the tabulated prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	3 6	—	—	—	—
From 4 lb. ..	3 5	3 3¼	—	—	—
From 7 lb. ..	3 4	3 2¼	3 1¾	—	—
From 14 lb.	3 3	3 1¼	3 0¾	3 0½	—
28 lb to 1 cwt.	3 2	3 0¼	2 11¾	2 11½	2 11

Prices net. All packages charged extra. It is a condition of sale that buyers shall not re-sell at prices below the values given.

COCAINE.—Details of British makers' current wholesale prices were given last week (p. 500).

CODEINE.—No changes have occurred in makers' prices: ALKALOID.—½ oz., 43s. 3d. per oz.; 1 oz., 40s. 9d.; 2 oz., 39s. 3d.; 3 oz., 38s. 6d.; 4 oz., 38s. 3d. PHOSPHATE.—½ oz., 36s. 3d.; 1 oz., 33s. 9d.; 2 oz., 32s. 3d.; 3 oz., 31s. 6d.; 4 oz., 31s. 3d.

ETHERS (METHYLATED).—Makers' prices are steady at the levels recorded last week (p. 500).

GLYCERIN.—Current rates for small quantities are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per cwt. All prices are subject to discount of 2½ per cent. for cash in twenty-eight days.

HEXAMINE.—The present price would be around 2s. 3d. per lb. for free-running crystals, and 1s. 10d. for ordinary fine, in cwt. lots, packing extra but returnable.

MERCURY IODIDES.—No changes have been notified in makers' prices: RED, less than 7 lb., 17s. per lb.; not less than 7 lb., 16s. 8d.; not less than 14 lb., 16s. 2d. GREEN, less than 7 lb., 19s.; not less than 7 lb., 18s. 8d.; not less than 14 lb., 18s. 2d. YELLOW, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 4d.; not less than 14 lb., 19s. 10d. per lb. net, carriage paid.

MERCURIALS.—Controlled prices for quantities up to two cwt. are as follows:—

Mercury compound	Over 7 lb. but less than 28 lb.	28 lb. and over but less than 1 cwt.	1 cwt. and over but less than 2 cwt.
	s. d.	s. d.	s. d.
Bichloride, powder ..	12 0	11 8	11 7
Bichloride (industrial quality)	12 0	11 8	11 7
Bichloride, lump	12 7	12 3	12 2
Ammonium chloride, powder	13 10	13 6	13 5
Ammonium chloride, lump	13 8	13 4	13 3
Chloride (mercurous) ..	14 2	13 10	13 9
Oxide, red crystalline, B.P.	15 11	15 7	15 6
Oxide, red levigated, B.P.	15 5	15 1	15 0
Oxide, red technical	All quantities—14s. 8d. per lb.		
Oxide, yellow levigated, B.P.	15 4	15 0	14 11
Oxide, yellow technical	All quantities—14s. 4d. per lb.		

Packages free for quantities of 28 lb. and over; delivery free on orders of £20 and over.

METHYL SALICYLATE.—Supplies are not plentiful, but makers' prices are unaltered at the previous rates: Five cwt., 1s. 10d. per lb.; one cwt., 1s. 10½d.; smaller lots, in bottles, 2s. 0½d. per lb.

PHENOLPHTHALEIN.—Makers' current rates are as follows: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

PHOTOGRAPHIC CHEMICALS.—The following are home makers' prices: SODIUM HYPOSULPHITE.—5 cwt., 23s.; 1 cwt., 26s.; 56 lb. for 16s. 6d.; 28 lb. for 8s. 6d. SODIUM CARBONATE, RECRYST.—5 cwt., 13s. 9d.; 1 cwt., 17s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 23s.; 28 lb. for 6s. 6d. GLYCIN.—7 lb., 13s. 6d.; in 1-lb. bottles, 14s. 6d. POTASSIUM FERRICYANIDE.—1 cwt., 3s. 6d. per lb., net; 56 lb., 3s. 8d.; 28 lb., 3s. 10d.; 14 lb., 4s.; 7 lb., 4s. 3d.; under 7 lb., 4s. 6d., less 2½ per cent.; bottles, 1-oz., 10d.; 4-oz., 1s. 9d.; 8-oz., 3s.; 1-lb., 5s. each. AMIDOL—1 cwt., 9s. 6d.; 56 lb., 10s.; 28 lb., 10s. 6d. per lb., all net monthly account; 14 lb., 11s. 3d.; 7 lb., 12s. 3d.; under 7 lb., 13s. 6d. per lb., all less 2½ per cent. monthly account. Bulk tins or parcels free; 1-lb. bottles, 6d. per lb. extra. Retail quantities in bottles: 16 oz., 21s.; 8 oz., 11s. 3d.; 4 oz., 6s.; 1 oz., 2s. 6d., discounted 33⅓ per cent. to retail dealers or trade users. CHLORQUINOL.—1-lb. bottles, 21s. per lb. HYDROQUINONE.—1 cwt., 6s. 10½d.; 56 lb., 7s. 1d.; 28 lb., 7s. 4d. per lb., all net monthly account; 14 lb., 7s. 9d.; 7 lb., 8s.; under 7 lb., 8s. 6d. per lb., all less 2½ per cent. monthly account. Bulk tins or parcels free; 1-lb. bottles, 6d. per lb. extra. Retail quantities in bottles:

16 oz., 13s. 6d.; 8 oz., 7s. 6d.; 4 oz., 4s. 6d.; 1 oz., 1s. 9d., discounted 33⅓ per cent. to retail dealers or trade users. GOLD CHLORIDE.—15-gr. tubes, 53s. per doz. MAGNESIUM POWDER.—11s. 9d. per lb. PARAMIDOPHENOL HYDROCHLORIDE.—9s. per lb., bottles free. SODIUM METABISULPHITE.—28 lb., 9d.; 14 lb., 10d.; 7 lb., 11d.; 1 lb., 1s.; bottles, 16-oz., 1s. 6d. PYROGALLIC ACID, CRYST.—1 cwt. and over, 13s. 6d.; 56 lb., 14s.; 28 lb., 14s. 6d., all net; 14 lb., 15s. 6d.; 7 lb., 16s. 6d.; under 7 lb., 17s. 6d., all less 2½ per cent. monthly account. Small quantities: 1 lb., 18s.; 8 oz., 10s.; 4 oz., 5s. 8d.; 1 oz., 2s. PYROGALLIC ACID, RESUB.—28 lb., 16s. 6d., net; 14 lb., 17s. 6d.; 7 lb., 18s. 6d.; under 7 lb., 19s. 6d. per lb., all less 2½ per cent. monthly account. Small quantities, 1 lb., 20s.; 8 oz., 11s.; 4 oz., 6s. 2d.; 1 oz., 2s. 4d. SODIUM SULPHITE, RECRYST.—One cwt., 24s. 6d. per cwt., 56 lb. for 13s. 3d., 28 lb. for 7s. METOL.—1 cwt., 16s.; 56 lb., 16s. 9d.; 28 lb., 17s. 6d. per lb., all net monthly account; 14 lb., 18s. 6d.; 7 lb., 19s. 6d.; under 7 lb., 20s. 6d. per lb., all less 2½ per cent. monthly account. Bulk tins or parcels free; 1-lb. bottles, 6d. per lb. extra. Retail quantities in bottles: 16 oz., 31s. 6d.; 8 oz., 16s. 6d.; 4 oz., 9s.; 1 oz., 3s. 6d., discounted 33⅓ per cent. to retail dealers or trade users. A condition of sale is that material shall not be re-sold at prices lower than schedule ruling on date re-sale is made.

PILOCARPINE.—As recently recorded, makers' prices per oz. were advanced on March 5, as follows:—

	1 oz.	4 oz.	25 oz.
	s. d.	s. d.	s. d.
Pilocarpine base	27 0	26 6	26 0
Pilocarpine hydrochloride	21 3	20 9	20 3
Pilocarpine nitrate ..	18 6	18 0	17 6

POTASSIUM PERMANGANATE.—Makers' quotations are steady, as follows: B.P., in 1-cwt. drums.—From 1 cwt., 1s. 10d. per lb.; from 3 cwt., 1s. 9½d. Technical, in 1-cwt. drums.—From 1 cwt., 170s. 6d. per cwt.; from 3 cwt., 166s.; from 5 cwt., 163s. 6d.; from 1 ton, 161s.; from 4 tons, 158s. 6d. Technical, in 5-cwt. drums.—From 5 cwt., 161s. per cwt.; from 1 ton, 158s. 6d.; from 4 tons, 156s. 3d. Net, delivered nearest railway station in Great Britain, drums extra and returnable.

SALICYLIC ACID (B.P.).—Makers' prices are steady at the recent increase:—

In containers of	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 8½	—	—	—	—
From 4 lb. ..	2 7½	2 5¾	—	—	—
From 7 lb. ..	2 6½	2 4¾	2 4¼	—	—
From 14 lb.	2 5½	2 3¾	2 3¼	2 3	—
28 lb.–1 cwt.	2 4½	2 2¾	2 2¼	2 2	2 1½
1–5 cwt. ..	2 0½	1 10¾	1 10¼	1 10*	1 9½

* 8 × 14 lb. and upwards, in one delivery, ½d. per lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale current at time of re-sale.

SANTONIN.—Convention prices for the home trade are as follows: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

SODIUM SALICYLATE.—Makers' quotations are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	3 1½	—	—	—	—
From 4 lb. ..	3 0½	2 10¾	—	—	—
From 7 lb. ..	2 11½	2 9¾	2 9¼	—	—
From 14 lb.	2 10½	2 8¾	2 8¼	2 8	—
From 28 lb.	2 9½	2 7¾	2 7¼	2 7	2 6½
From 1 cwt.	2 4½	2 2¾	2 2¼	2 2*	2 1½
From 5 cwt.	2 4	2 2¼	2 1¾	2 1½*	2 1
1 ton ..	2 3½	2 1¾	2 1¼	2 1*	2 0½

* 8 × 14 lb. and upwards, in one delivery, ½d. per lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

STRYCHNINE SALTS.—British makers' prices per oz. are as follows:—

Compound	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
	s. d.	s. d.	s. d.
Alkaloid, crystalline	3 0	2 10½	2 9
Alkaloid, precipitated ..	3 0	2 10½	2 9
Acetate	3 2½	3 1	2 11½
Arsenate	3 1	2 11½	2 10
Arsenite	3 2½	3 1	2 11½
Bisulphate	2 4½	2 3	2 1½
Hydrochloride	2 9½	2 8	2 6½
Hypophosphite	5 6	5 4½	5 3
Nitrate, crystalline	2 9½	2 8	2 6½
Nitrate, powder	2 9½	2 8	2 6½
Nitrate, powder, No. 2 ..	2 3	2 1½	2 0
Phosphate	3 7½	3 6	3 4½
Sulphate, neutral, crystalline	2 6	2 4½	2 3
Sulphate, neutral, powder	2 6	2 4½	2 3
Sulphate, neutral, powder No. 2	2 1	1 11½	1 10

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

SULPHONAL.—About 47s. 6d. per lb. would be required for any remaining small supplies.

TANNIC ACID.—Any available spot supplies would be worth about 7s. 6d. per lb.

VANILLIN.—Makers' prices remain at the following levels: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—Small supplies of Indian oot may be available on spot at approximately s. per lb.

AGAR.—Business in this product is negligible. A few odd bales of unrestricted Kobe No. 1 re offered on spot at between 60s. and 70s. er lb. For any small supplies for bacterio-ogical use about 25s. to 30s. per lb. would be equired.

ALOES.—Cape, firm on spot at between 60s. nd 62s. 6d. per cwt., according to holder; orward, 45s. per cwt. for prime, f.o.b. The orward price of Curaçao remains at about 50s. per cwt., c.i.f.

ANTIMONY.—Supplies are adequate for official equirements. Prices are unchanged: English inimum 99 per cent. regulus, £120 per ton, elivered; 70 per cent. crude, £100 per ton, elivered.

ARECA NUT.—No supplies appear to be left n spot and no quotations are available.

BALSAMS.—About 9s. 6d. per lb. is generally eing asked for *Tolu* on spot. *Copaiba*, B.P., ominal at 9s. per lb. *Peru* would be worth bout 7s. 9d., and *Canada*, about 7s. 6d. per lb., uty paid, ex store.

BENZOIN.—Inquiry has again been fairly ood. Spot price of Sumatra direct to con-umers remains at about £12 to £15 per cwt., ccording to quality. Free almondy, spot, bout £30 per cwt.

BISMUTH METAL.—Prices are steady and nchanged at 6s. 3d. per lb. for minimum 5-cwt. ots.

BUCHU.—Any available supplies on spot ould be worth about 5s. 9d. to 6s. per lb.

CALUMBA ROOT.—Supplies are poor, and any vailable small lots of good washed root would etch at least 16os. per cwt.

CAMPHOR.—A moderate consuming demand as come from approved buyers, and some usiness is reported done in Chinese, B.P., at s. 6d. per lb. Prices for other grades are as ollows: Chinese crude (92 per cent.), about os. per lb.; Japanese slabs, about 11s. 6d. er lb. Restricted quantities of English syn-hetic, B.P., are understood to be available to pproved consumers at 7s. per lb.

CANTHARIDES.—No quotations are available, s spot supplies are exhausted.

CARDAMOMS.—Quiet conditions obtain, with rices of all grades unchanged: Aleppy greens, pot, about 5s. 6d. to 5s. 9d. per lb.; shipment, s. 4½d., c.i.f. Aleppy seed, spot, about 5s. 9d.; hipment, 5s. 3d., c.i.f. Split seed, spot, about s. 9d. per lb.

CASCARA SAGRADA.—Lease-Lend material is riced at 150s. per cwt., ex store.

CASCARILLA.—Dealers would require about s. 6d. per lb. for siftings. Quills are no longer vailable.

CHILLIES.—Supplies are rather restricted, but rices are steady. Zanzibar, spot, 180s. per cwt.; Mombasa, 180s., sellers; Sierra Leone and Sudan, both 175s. per cwt., duty paid.

CLOVES.—Current quotations are at last week's levels. Zanzibar, sellers on spot at 2s. 4d. per lb. Madagascar, unquoted.

COCHINEAL.—Grey, if available on spot, would be worth about 5s. per lb.

COCOA BUTTER.—The price is fixed by Order at 1s. 5½d. per lb., ex factory or warehouse, except under licence.

COCONUT (DESICCATED).—The official maximum price remains at 49s. per cwt.

COLCHICUM.—Small spot supplies of Indian corms may be had at about 2s. 9d. to 3s. per lb.

COLOCYNTH.—Inquiry has been good, but spot supplies are practically impossible to locate.

DANDELION ROOT.—Dealers would require from 125s. to 135s. per cwt. for any small spot supplies that may be available.

DERRIS ROOT.—Some holders appear to be still awaiting permission to sell.

DIGITALIS LEAVES.—The spot price of Portuguese leaves remains in the region of 115s. per cwt., ex store.

DRAGON'S BLOOD.—Fair re-boiled, if available on spot, would now be worth approximately £45 per cwt.

ERGOT.—Generally quiet conditions obtain, with no quotable changes in price. Spot, about 7s. 6d. per lb.; shipment, in the region of 7s. to 7s. 1½d. per lb., c.i.f.

GINGER.—West African, spot, 190s. per cwt.; Cochin, unwashed, spot, 187s. 6d. quoted. The Ministry of Food fixed price for forward shipment of Jamaica is 100s.; African and Cochin, 60s., f.o.b.

GRAINS OF PARADISE.—Spot holders of any small supplies would want about 1s. 10d. per lb.

GUM ACACIA.—Unchanged, with unrestricted Kordofan cleaned sorts quoted on spot at about 230s. per cwt., and restricted at about 192s. 6d.; shipment, 70s. per cwt., nominal, c.i.f.

HONEY.—The Minister of Food recently made an Order replacing the Honey (Maximum Prices) Order, 1941. Revised price schedules for first-hand and wholesale sales are as set out in the following table:—

Extracted honey	*On a first-hand sale* Rate per doz. containers each containing		*On a sale by wholesale* Rate per doz. containers each containing	
	½ lb.	1 lb.	½ lb.	1 lb.
	s. d.	s. d.	s. d.	s. d.
Imported (other than specified brands)	9 3	15 6	10 2	17 0
Imported (specified brands) ..	9 8	16 3	10 7	17 10

HYDRASTIS.—Lease-Lend material is priced at 22s. 6d. per lb., ex store, repacking extra.

IPECACUANHA.—Inquiry has been moderate, but only a small business has resulted. Matto Grosso, spot, about 17s. 9d. to 18s. 3d. per lb., according to test; shipment, new-crop, May–June, and upwards 16s., c.i.f. Minas, spot, B.P., about 12s. to 12s. 3d. per lb.; not quite B.P., about 11s. 6d. to 11s. 9d.; shipment, around 11s. 3d. to 11s. 6d. per lb., c.i.f. Current prices for EXT. IPECAC. LIQ., in winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6s. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—Buyers of fair quantities could obtain supplies on spot at from 55s. to 60s. per cwt., but small parcels would cost rather more.

JALAP.—Brazilian, 16 per cent., spot, about 87s. 6d. per cwt.; forward, 62s. 6d., c.i.f., basis 13 per cent.

LEPTANDRA ROOT.—Price of Lease-Lend material will be 1s. 10d. per lb., ex store.

LOBELIA HERB.—The spot price under the Lease-Lend arrangement is 2s. 8d. per lb., ex store.

MENTHOL.—Interest in this commodity has revived, and while there may be a few cases available to spot buyers at 71s. per lb., most holders are asking about 72s. 6d. A few odd lots of Japanese might be obtained at about 75s. per lb.

MERCURY.—Prices for quantities of over 7 lb. are subject to the Control of Mercury (No. 6) Order (*C. & D.*, May 10, p. 295). Quantities of 7 lb. and under were decontrolled by the Control of Mercury (No. 7) Order (*C. & D.*, October 18, p. 86). Official prices range between £48 and £48 15s. per bottle of 76 lb., ex warehouse London.

American domestic production of mercury during January 1942 totalled 3,700 flasks, compared with 3,900 flasks in the preceeding month.

NUTMEGS.—West Indian, sound unassorted, spot, 2s. 3d. per lb.; wormy and broken, 2s.; 90's, 2s. 3d.; 80's, 2s. 7d., nominal; Eastern brown, 80's, nominal.

NUX VOMICA.—In small routine inquiry only, with no change in price. Cochin, washed and garbled, spot, approximately 37s. 6d. per cwt.

ORANGE PEEL.—Supplies are not plentiful, and holders' ideas of price seem to vary widely, as much as 4s. 6d. per lb. being mentioned. It may be possible, however, to buy small lots on spot at about 3s. per lb.

PEPPERS.—Unpicked whole black Lampong, spot, in bond, 5d. per lb.; white Muntok, 8d.

PIMENTO.—Spot shows a further rise to 2s. 4d. per lb., sellers; shipment, April-May, 16os., c.i.f., nominal.

PODOPHYLLUM RESIN.—The price under the Lease-Lend arrangement will be 27s. 6d. per lb., ex store.

PYRETHRUM.—Forward price would be in the region of 105s. per cwt., c.i.f., nominal, but freight is difficult.

QUASSIA CHIPS.—No spot supplies appear to be obtainable, and replenishments are not expected for some time.

QUILLAIA BARK.—Spot stocks appear to be exhausted, but some supplies are reported near at hand.

RHUBARB.—The spot price of rough-round is without quotable change at about 7s. 3d. to 7s. 9d. per lb., but buyers are not particularly interested. For any small available supplies of Shensi, about 9s. 6d. to 10s. per lb. would be wanted on spot.

SARSAPARILLA.—Some native reddish is offered on spot at between 2s. 9d. and 3s. per lb., according to quantity.

SEEDS.—ANISEED.—None available. CANARY.—None available. CARAWAY.—None available. CORIANDER.—Indian, spot, none available at present; English, quoted 220s. CUMIN.—Malta, 165s. to 170s., duty free; Indian, 165s. DILL.—Spot, quoted at 170s.; FENNEL.—Indian, spot, 97s. 6d., duty free. FENUGREEK.—Nothing available. MUSTARD.—English, 115s. to 135s., according to quality.

SENEGA.—Inquiry has been good, but stocks in hand are small. A few bales are reported on spot at 7s. 3d. per lb., but it is doubtful if any remain at this figure, 7s. 6d. being the general price.

SENNA.—Alexandrian medium hand-picked pods, about 4s. 6d. to 5s. 6d. per lb.; Alexandrian leaves, broken, about 1s. 4d. per lb.; Tinnevelly pods, 1s. 3d. to 1s. 5d. per lb. for selected and about 8d. per lb. for f.a.q.

SHELLAC.—Business is slow, with little on offer. Spot, standard TN orange, 200s. per cwt., value; shipment, unquoted. Pure button, unquoted; fine orange, 240s. to 290s. quoted.

SLIPPERY ELM BARK.—Will be sold at 1s. 6d. per lb., ex store, under the Lease-Lend arrangement.

SQUILL.—In ample supply on spot at between 75s. and 90s. per cwt., according to colour.

STRAMONIUM LEAVES.—Indian leaves, on spot, would fetch approximately 100s. to 105s. per cwt.

TONKA BEANS.—Little appears to be left on spot, and for any remaining supplies about 6s. 6d. to 6s. 9d. would be required.

TRAGACANTH.—Unchanged. Current values of the principal medium grades are as follows: No. 1, white, £135; No. 2, white, £125; No. 3, white, £100; pale leaf, £90; amber leaf, £70; red and brown leaf, £45; red leaf, from £40; woody and hoggy, from £20, ex store.

TURMERIC.—Spot, Madras finger, sound quality, 72s. 6d.; wormy, 70s.

VALERIAN ROOT.—Spot price of Indian root would be in the region of 110s. to 120s. per cwt.

WAXES.—Prices of these items are without change. BEES'.—Nominal on spot at 295s. per cwt.; in bond, no quotations; Dar-es-Salaam, no quotations; Japanese, 340s. CARNAUBA.—Fatty grey, 540s.; chalky grey, 520s.; Primeira, 620s. per cwt.

WILD CHERRY BARK.—The spot price under he Lease-Lend arrangement will be 9d. per lb., x store, with extra for repacking.

WITCH HAZEL (LIQUID EXTRACT).—The price nder the Lease-Lend arrangement will be os. 6d. per gallon, ex store.

Essential and Expressed Oils

ANISE (STAR).—Inquiry has again been fair. Drums, spot, about 49s. to 50s. per lb.; tins n cases, from 50s. to 52s. per lb., according o seller.

BAY.—The spot price of any available upplies would be in the region of 10s. to 12s. er lb.

BERGAMOT.—The price of any remaining upplies would be a matter for negotiation, round 100s. per lb. being a basis.

BOIS DE ROSE.—The spot price remains at bout 35s. per lb.

CAJUPUT.—The spot price is firm at around 5s. per lb.

CANANGA.—Spot value nominal at about 60s. er lb. with supplies difficult to locate.

CASSIA.—There are no stocks on spot, and o quotations can be obtained.

CEDARWOOD.—Spot value is nominal at s. 6d. per lb.

CITRONELLA.—The spot price of Ceylon emains firm in the region of 16s. 3d. per lb. Java would be worth approximately 10s. per lb.

CLOVE.—English distillers are maintaining heir prices at between 15s. 6d. and 18s. per lb.

EUCALYPTUS.—Spot values remain at from s. 9d. to 6s. per lb. for 70 to 75 per cent. oil, ut higher prices would be required for small ots.

GERANIUM.—Nominal and a matter for egotiation.

GINGERGRASS.—Spot supplies may be obained at around 25s. per lb.

GROUNDNUT.—The official price of refined eodorised is without change at £44 10s. per on, naked ex works.

LAVENDER.—Steady at last week's price of bout 85s. per lb. for good-quality oils.

LEMONGRASS.—Spot value is firmly maintained at approximately 18s. 6d. per lb.

LINSEED.—Crude oil is officially quoted at £41 10s. per ton, naked ex works.

PALMAROSA.—Steady on spot at about 35s. er lb.; shipment, about 27s. per lb., c.i.f.

PATCHOULI.—Spot values are nominal at 70s. per lb.

PEPPERMINT.—Supplies of Chinese are becoming exceedingly difficult to find. Some usiness is reported done at 77s. 6d. per lb., ut about 80s. would probably have to be paid or any further small supplies. American oil, lso in poor supply, is reported offered at 95s.

PETITGRAIN.—Any available supplies of spot ould fetch around 25s. per lb.

ROSE (OTTO).—About 300s. per oz. would be the spot value of any available supplies.

SANDALWOOD.—Genuine East Indian Mysore remains at 30s. per lb., for delivery in one-case lots. Australian would be at about 28s. 6d

SPEARMINT.—Spot values are in the neighbourhood of 27s. per lb.

THYME.—Medium-quality, spot, about 16s. per lb.

WORMSEED.—Spot price is nominal at 25s. per lb.

COMMERCIAL NOTES

U.S. Opium-growing Licence Sought.—The Bureau of Narcotics is applying to Congress for an immediate licence to grow opium poppies, and to control sales of paregoric.

U.S. Standstill Order on Agar Supplies.—An order issued by the United States War Production Board prohibits the purchase or sale of agar from or by a person having more than 50 lb. in his possession, except for bacteriological use or under permit.

Guatemalan Customs Additions.—Recent additions to the Guatemalan customs tariff include propylamine, trimethylamine, piperazine and their compounds and salts for industrial use, in containers of 22 kilos or more per unit.

French Oceania Vanilla Beans.—The United States Department of Commerce gives the following figures of vanilla beans exported from French Oceania during the third quarters of 1940 and 1941:—

Destination	Third quarter	
	1940	1941
	Kilos	Kilos
United States	30,061	26,103
Australia	3,267	3,230
New Zealand	308	1,681
Canada	417	1,288
Other countries	—	568
Total	34,053	32,870

Local growers, it is stated, estimate that the first 1942 cutting of vanilla beans will yield from 30 to 40 per cent. per hectare less than normal, because of dry weather that prevailed in the colony during the summer and autumn of 1941. The shortage will be, to some extent, made up by new plantations producing for the first time.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

N.H.I. Dispensing Contract

SIR,—In view of the fact that the existing contract for National Health Insurance dispensing expires on December 1 of this year, the committee of the Bath Branch, National Pharmaceutical Union, wish to remind all local branches and associations of the need for considerable increases in dispensing fees in the new contract. It will be remembered that, at the end of 1941, this branch drew up a suggested scale of payment for N.H.I. dispensing. Full particulars were published in the *C. & D.* and, in addition, circulated to N.P.U. branch secretaries. All branches were requested to give the matter serious consideration and send resolutions to the N.P.U. Executive in support of Bath's proposals. The initiative must be taken by the local organisations, and their wishes submitted to the N.P.U. Executive, in order to strengthen the claims made by that body. Time is short; therefore it is to be hoped that those branches which have not so far taken any action in the matter will do so without delay.

Yours faithfully,
E. C. HASKINS,
Secretary,
Bath Branch, N.P.U.

Appreciations

Sorry about your blitz. You did well to get out the *C. & D.*—my copy was only one post late, and the substance was of the usual excellent standard. Best wishes for your future.—H.S., London.

The *C. & D.* has arrived today twenty-eight hours after its usual delivery, which I consider is wonderful after your trouble this week. Glad to hear that none of the staff is injured and that you have suffered only material damage. Trust you will not see the Hun again.—T.A., Manchester.

[The above are representative of a large number of letters and telephone messages we have received from all parts of the country. At the moment it is not possible for us to reply to our correspondents individually, but the directors, editorial and publishing staffs ask them to accept our thanks for the sympathy and congratulations extended to us in the difficult times through which we are passing.—EDITOR.]

MISCELLANEOUS INQUIRIES

Lemon Barley Syrup.—*E.R.*—The following formula for lemon barley syrup will give you a product of the kind you have in mind :—

Barley flour	2 oz.
Citric acid	2 oz.
Essence of lemon ..	1–2 dr.
Sugar	2 lb.
Preservative (Potassium metabisulphite)	40 gr.

Bring one quart of water to the boil, mix the barley flour to a thick paste with cold water and add to the boiling water, stirring all the time. When cold, add the sugar and citric acid and then the preservative and essence of lemon. Make up to one gallon with water. The strength for use is one part of this syrup with three to five parts of water.

Ice Cream Substitute.—*McG.*—In the following recipe soya flour and tragacanth replace milk powder and gelatin respectively in ordinary cold-mix ice cream powders.

Soya flour	1 lb.
Sugar	1–1½ lb.
Gum tragacanth ..	¼ oz.
Flavouring to taste	
Water	7 pints.

A satisfactory product results from using boiling water to dissolve the sugar and disperse the soya flour, and cold water for making the tragacanth mucilage. We understand that the Ministry of Food permits the use of soya flour for making ice cream mixtures.

Synthetic Cream.—*W.M.*—Details of the nature of synthetic cream in use at the present time and a consideration of its possible bacterial contamination are given in an article in the "Lancet" (February 2, p. 173). The chief constituents are flour, dried egg-yolk, sugar and water, with a vegetable fat (usually ground-nut oil). The flour-and-water paste is heated to 210° F. for thirty minutes, and then cooled, the egg-yolk powder and sugar being then added. The fat is melted separately, held at 145° F., and atomised under high pressure into the starchy paste. The whole mixture is further heated at 160–170° F. for thirty minutes, homogenised, and cooled to 40° F. over brine coolers.

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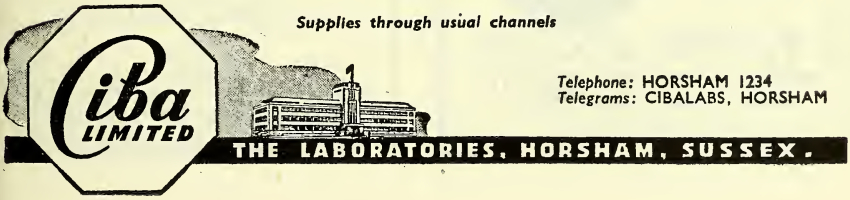

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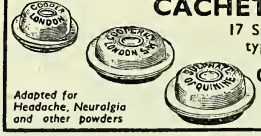

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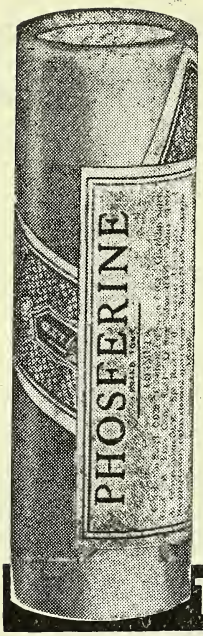

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MAY 9
1942

28 ESSEX STREET, LONDON, W.C.2

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LONDON CO-OPERATIVE SOCIETY, LIMI invite applications for Qualified Pharma male or female, for progressive positions in the Lo area. Minimum salary, including War Bonus, £ week. Applications are also invited for Qua Opticians. Excellent prospects and salary. App letter stating age, experience, qualifications and p position to Staff Manager, 54 Maryland Street, ford, E.15. Envelopes to be endorsed "Pharm or "Optical" respectively.

M.P.S., elderly, required for Dispensing, S.W. don. Easy hours and work. Please state required, etc. 402/737, London Office of this

PENDLETON Co-Operative Industrial Sc Salford, require the services of a qu Pharmacist, exempt, either sex, for duration. with full particulars, salary, etc., to the Ma Drug Warehouse, Cobden Street, Salford, 6.

QULAIFIED Lady or Gentleman exempt m service required to manage small branch; genial post. No Sunday or holiday duty; full p lars wtih salary, etc., to Patterson, 31 The P Claygate, Surrey.

QUALIFIED Lady or Gentleman Assistant re for busy mid-Cheshire Pharmacy. Apply full particulars of experience and salary re CDB/1045, London Office of this Paper.

QUALIFIED Manager wanted for branch s North London, Lady or Gentleman (in for military service), vacant house attached. age and experience and salary to J. T. Davy 128 Fore Street, Edmonton, N.18.

TAYLORS BRITISH CHEMISTS have va for Qualified Managers and Assistants in G and other parts of Scotland. Please give full p lars in first letter, stating best time and d interview to Austin, 1 St. Enoch Square, Glasg

AYLORS BRITISH CHEMISTS will shortly have vacancies for Qualified Managers and Assistants, e or female, in Birmingham and Midlands, Tipton, ldersfield, Houghton-le-Spring, Stanley, Leeds, nsworth, Sheffield, Hull. Apply Retail Staff t., Leeds.

NQUALIFIED Assistant required for Central Shop. Male (not liable for military service) or female. particulars to Walsall and District Co-operative ety, Ltd., Bridge Street, Walsall.

ANTED. Three Qualified Pharmacy Branch Managers, male or female (males must not be le for military service, and females must be over ears of age). The positions are for the duration he War only. Applications stating age, experience wages required to be addressed to the Secretary, nthorpe Co-operative Society Ltd., 180 High Street, nthorpe.

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WELL-KNOWN Manufacturing Chemists require Two experienced Representatives (Male or Female). One for Northumberland and Durham, and the other for Yorkshire. The products are of an ethical nature, and are well-established amongst the Medical Profession and Chemists. Applicants should not be liable to military service. Reply, stating age, experience and salary required. 403/757, London Office of this Paper.

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WANTED—Small autoclave, 1 to 3-litre capacity, to stand about 250° C. and 750 lb. with or without stirrer. Offers to 402/746, London Office of this Paper.

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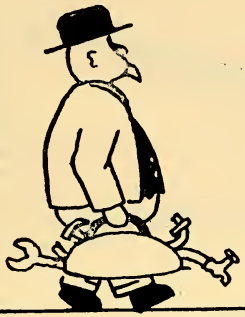

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